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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model
Run on: August 4, 2004, 13:45:57 ; Search time 107 Seconds
Title: US-10-037-417-45
Perfect score: 1102

Sequence: 1ggccctgtccatgggcat.....999gttcatggggcc 1102
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues
Total number of hits satisfying chosen parameters: 5715.476 Million cell updates/sec

Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries
Database : Issued Patents NA:*

1:	/cgn2_6/pctodata/2/ina/5A_COMB.seq:*
2:	/cgn2_6/pctodata/2/ina/5B_COMB.seq:*
3:	/cgn2_6/pctodata/2/ina/6A_COMB.seq:*
4:	/cgn2_6/pctodata/2/ina/6B_COMB.seq:*
5:	/cgn2_6/pctodata/2/ina/pCTUS_COMB.seq:*
6:	/cgn2_6/pctodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
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1	224	20	3	1613 4 US-09-387-375-1 Sequence 1, Appli
2	216.4	19	7	1130 4 US-09-387-75-5 Sequence 8, Appli
3	183.2	16	6	1142 4 US-09-386-622-8 Sequence 8, Appli
4	183.2	16	6	1169 4 US-09-386-622-7 Sequence 1, Appli
5	165.2	15	0	1110 4 US-09-386-553A-1 Sequence 1, Appli
6	164.2	14	9	980 4 US-09-323-942A-30 Sequence 30, Appli
7	162	14	7	1212 4 US-09-220-312D-431 Sequence 431, Appli
8	161.6	14	7	1100 4 US-09-023-942A-5 Sequence 5, Appli
9	161.6	14	7	1100 4 US-09-907-794A-256 Sequence 256, Appli
10	161.6	14	7	1100 4 US-09-051-125A-256 Sequence 256, Appli
11	161.6	14	7	1100 4 US-09-002-775A-256 Sequence 256, Appli
12	160	14	5	1081 3 US-09-008-271A-15 Sequence 15, Appli
13	157.6	14	3	959 4 US-09-023-942A-25 Sequence 25, Appli
14	154.8	14	3	1094 4 US-09-023-942A-3 Sequence 3, Appli
15	153.8	14	0	1130 4 US-09-386-653A-8 Sequence 8, Appli
16	145.8	13	2	1103 4 US-09-386-642-59 Sequence 59, Appli
17	141.6	12	8	3147 2 US-09-027-337-1 Sequence 1, Appli
18	141.6	12	8	3147 4 US-09-644-600-1 Sequence 1, Appli
19	141.6	12	8	3147 4 US-09-44-600-18 Sequence 18, Appli
20	141.6	12	8	3147 4 US-09-554-600A-1 Sequence 1, Appli
21	141.6	12	8	3147 4 US-09-654-600A-18 Sequence 18, Appli
22	140.6	12	8	2152 4 US-09-023-655-157 Sequence 157, Appli
23	139.8	12	7	796 4 US-09-80-116-1 Sequence 107, Appli
24	139.8	12	7	1081 2 US-09-016-368A-22 Sequence 22, Appli
25	139.8	12	7	1081 2 US-09-978-404B-17 Sequence 17, Appli
26	139.8	12	7	1137 2 US-09-136A-18 Sequence 18, Appli
27	139.8	12	7	1137 2 US-09-978-404B-13 Sequence 13, Appli

1365418

28	138.2	12.5	1128	2	US-09-016-360A-20
29	138.2	12.5	1128	2	US-09-016-360B-15
30	134.6	12.2	771	3	US-09-079-970A-4
31	134.2	12.2	735	3	US-09-079-970A-1
32	133.4	12.1	1154	2	US-09-016-366B-16
33	133.4	12.1	1154	2	US-09-078-404B-11
34	132.4	12.0	1378	4	US-09-907-794A-262
35	132.4	12.0	1378	4	US-09-905-122A-262
36	132.4	12.0	1378	4	US-09-902-775A-262
37	132.4	12.0	1430	4	US-09-036-629-1
38	130.4	11.8	2900	2	US-09-027-337-9
39	130.4	11.8	2900	4	US-09-654-600A-9
40	130.4	11.8	2900	4	US-09-654-600A-9
41	126.8	11.5	1166	4	US-09-380-629A-2
42	124.4	11.3	1165	4	US-09-023-942A-28
43	123.6	11.2	1553	4	US-09-280-116-10
44	116.6	10.6	1108	2	US-09-016-366B-14
45	116.6	10.6	1108	2	US-08-978-404B-20

ALIGNMENT

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Sequence 20, Appl
Sequence 15, Appl
Sequence 4, Appl
Sequence 1, Appl
Sequence 16, Appl
Sequence 11, Appl
Sequence 262, App
Sequence 262, App
Sequence 262, App
Sequence 1, Appl
Sequence 9, Appl
Sequence 9, Appl
Sequence 2, Appl
Sequence 28, Appl
Sequence 10, Appl
Sequence 14, Appl
Sequence 20, Appl

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; Sequence 1, Application US/09387375
; Patent No. 6485957
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Andrade-Gordon, Patricia
; APPLICANT: Qi, Jenson
; TITLE OF INVENTION: DNA Encoding the Human Serine
; PROTEASE BOS
; FILE REFERENCE: ORT-1031
; CURRENT APPLICATION NUMBER: US/09/387,375
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1613
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-3877-375-1

Query Match          20.3%; Score 224; DB 4; Length 1613;
Best Local Similarity 57.9%; Pred. No. 1.1e-41; Matches 442; Conservative 0; Mismatches 310; Indels 12; Gaps 2;
Matches 442; Conservative 0; Mismatches 310; Indels 12; Gaps 2;
QY          129 CTGGGGGGCCCTGAGGCCTCGGCCCGATCTGGGGCTAACAGCGAGCCGAC 188
Db          149 CTCGGGGAGCCCGATGTCAGTCAGTCGATCTGGGGCCCGAGACCGAG 208
QY          189 CTGGCTTGCAAGTGGACCTGGACATGGAGGTGG3CACATCTGGGGGACTCCCAT 248
Db          209 GTGGCGTGGCAGCCGACATCCAGCTCTGGGACACGTGTTGGGGGGTCGGTCAT 268
QY          249 CGCCCGCTCTGGCTCTCGCTGTCAGTTGATGAGAATTGGACGTTGGAGCC 308
Db          269 CGCCCCCGAGTGGCTGACAGGGCGACACTCTGCCAGA-----GGCACT 319
QY          309 CGCGGGCGAGTGGCTGTACTGGTGGGGTGACTCCAGGAGCGGCCCTGGAGCGGC 368
Db          320 GCGAGCTGAGTACCGCGAGCGCTGGCGCGCGCTGCGCTGCGCTCCACCTCGCCAC 379
QY          369 GCACACCCCGCGAGTGGCGCCATCGTGGTGGCGGGCAACTACAGCCAGTGGAGCGTGG 428
Db          380 GCTCTGGCGCCGTGCAACGGGTCTCTGGCCCGACTACTCCGAGCGGGCCCG 439
QY          429 CGCGGACCTGGCCCTGTCGGCGCTGCTCAACCGCGAGCGCTGGCGCCCGCTGGCC 488
Db          440 CGGAGCTGGCACTGCTGAGCTGGCGCCGGCTGAGGCTCGGTCAACC 499
QY          489 TGTCTGCTGGCCCGGCTCACACCGCTCTGGAGCGACCGAACCGCGCTCTGGCCACCG 548

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RESULT 2
US-09-387-375-8
; Sequence 8, Application US/09387375
; Patent No. 6483957
; GENERAL INFORMATION:
; APPLICANT: Darlow, Andrew
; APPLICANT: Andrade-Gordon, Patricia
; APPLICANT: Oi, Jenson
TITLE OF INVENTION: DNA Encoding the Human Serine
TITLE OF INVENTION: Protease BOS
FILE REFERENCE: ORT-1031
CURRENT APPLICATION NUMBER: US/09/387,375
CURRENT FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 8 LENGTH: 1130
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
; OTHER INFORMATION: sequence of EOS zymogen fusion gene
US-09-387-375-8

Query Match 19.7%; Score 216.8; DB 4; Length 1130;
Best Local Similarity 58.0%; Pred. No. 4.1e-40; Matches 427; Conservative 0; Mismatches 297; Indels 12; Gaps 2;

QY 157 ATCGTGGGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 216
Db 166 ATCGTGGGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 225

QY 217 GGAGGTGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 216
Db 226 CCTGGGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 276

QY 277 CACTGTTCATGAGGAATGGGAGTTGGAGCCGCGCAGCTGGCTGCTGCTGCG 336
Db 286 CACTGTTCATGAGGAATGGGAGTTGGAGCCGCGCAGCTGGCTGCTGCTGCG 336

QY 337 GTCGCACTCCAGGACGGCCCTGGACGCCGACCCGGCCAGTGACGCCATCTG 396
Db 337 GTCGCACTCCAGGACGGCCCTGGACGCCGACCCGGCCAGTGACGCCATCTG 396

QY 397 GTGGCCGCCAATACAGGCAAGTGAGCTGGGGCCGACCTGGCTGCTGCTGCG 456

RESULT 3
US-09-386-642-8
; Sequence 8, Application US/09386642
; Patent No. 6420157
; GENERAL INFORMATION:
; APPLICANT: Darlow, Andrew
; APPLICANT: Oi, Jenson
; APPLICANT: Andrade-Gordon, Patricia
TITLE OF INVENTION: Zymogen Activation System
FILE REFERENCE: ORT-1028
CURRENT APPLICATION NUMBER: US/09/386,642
CURRENT FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.0
SBO ID NO: 8 LENGTH: 1142
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
; OTHER INFORMATION: With homo sapien serine protease catalytic domain
US-09-386-642-8

Query Match 16.6%; Score 183.2; DB 4; Length 1142;
Best Local Similarity 53.5%; Pred. No. 1.6e-32; Matches 411; Conservative 0; Mismatches 348; Indels 9; Gaps 1;

QY 157 ATCGTGGGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 216
Db 159 ATCGTGGGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 198

QY 217 GGAGGTGGCACATCTGGGGGTCATAAGGCCGACCTGGAAAGTGAGCCACAT 276

QY 277 CACTGTTCATGAGGAATGGGAGTTGGAGCCGCGCAGCTGGCTGCTGCTGCG 336
Db 286 CACTGTTCATGAGGAATGGGAGTTGGAGCCGCGCAGCTGGCTGCTGCTGCG 336

QY 337 GTCGCACTCCAGGACGGCCCTGGACGCCGACCCGGCCAGTGACGCCATCTG 396
Db 337 GTCGCACTCCAGGACGGCCCTGGACGCCGACCCGGCCAGTGACGCCATCTG 396

QY 397 GTGGCCGCCAATACAGGCAAGTGAGCTGGGGCCGACCTGGCTGCTGCTGCG 456

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Db 259 CACTGCCTCCAGGA-----GCCACACAGGAACTGAGTCAGGTCAGGGG 309
Qy 337 GTCGCACTCCAGGAAGGCCCCCTGAGGGGGCGGCAACCCCGCGCAGTGGC 396
Db 310 GCCCACAGCTAGATCTACTCTGAGGAGCCAAAGTCAGCACCTGAAGAACATC 369
Qy 397 GTCGCGCCAATCACGCAAGTGAGCTGGGGGCAACCTGGCGCTGAGGGTGGC 456
Db 370 CCCACCCGAGTACCTGGAGGAGTCAGGAGCTCCAGGGAGACATGCAACCTG 429
Qy 517 TGTGTCACGGCACCTCTGAGGAGCTGGGGCTGGCTGTGCGCTGCCGGGCTC 576
Db 490 TTCCCCAACGGCTCTACTGACTGACTGACTGACTGCTGGGTCTGAGGAGCTG 549
Qy 577 CTGCGCTCTCCCTGGGGCTACAGGAGTGGCTCACTCTGAGGCTCTGAGG 516
Db 550 CTCTGACGCCAACCTCGCGCTACATCCGGGCACTCTGCTCTGGAGGAGCT 636
Qy 637 CAATGTCCTACAGCCAGGCGGGTCTCACTCTGAGGCTCTGAGGAGCTG 609
Db 610 AACGGCTGACGACATGAGGAGCTGAGGAGCTGAGGAGCTGAGGAGCTG 669
Qy 697 CTGTCAGCTGACTACCGAGGGCCAGGAGCACTGCGAGGGACTCTGGGGCC 756
Db 670 GTGTTGCTGGTATGAGGGGGGCAAGACGCGCTGCGAGGGTACTCTGGGG 729
Qy 757 CTGGCTGTTGGAGGAGGGGGCTGCTGTTCCAGGAGGAATCACAGCTGGGTT 816
Db 730 CTCTCTGCTGCTGAGGGCTCTGAGGCTACCTGAGGAGCTGAGGAGCTG 789
Qy 817 TGTGAGCGGAGAACGGCCCTGGAAATTCTACTGCTGCTGCTGCTGCTG 876
Db 790 TGTGGAGGCCAACAGGCTCTGGTGTGTAACCTCTGCTGCTGCTGCTG 849
Qy 877 CGGGAGGAGCTGATGGTTAGAGCTGGCTGCTTCCACCAAG 924
Db 850 CAAAGCAAGGGTACACTCCAGGCTCTGGGGCCAAACCCAG 897

RESULT 4
US-09-386-642-7
; Sequence 7, Application US/09386642
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Oi, Jenson
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: Zymogen Activation System
; FILE REFERENCE: ORT-1028
; CURRENT APPLICATION NUMBER: US/09/386,642
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 7
; LENGTH: 1169
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion gene
; OTHER INFORMATION: with homo sapien serine protease catalytic domain
; US-09-386-642-7

Query Match 16.6%; Score 183.2; DB 4; Length 1169;
Best Local Similarity 53.5%; Pred. No. 1.6e-32;
Matches 411; Conservative 0; Mismatches 348; Indels 9; Gaps 1;

Qy 157 ATCGGGGGGCTAACGGCGCAGGGGGACCTGGCGCTGAGCTGACCAT 216
Db 166 ATCGTGGGGCTATCTCTAGAGGCGGGTAGCTGAGGAGCTGCTGAGCACTCTAT 225

RESULT 5
US-09-386-653A-1
; Sequence 1, Application US/09386653A
; Patent No. 6458564
; GENERAL INFORMATION:
; APPLICANT: Andrade-Gordon, Patricia
; APPLICANT: Darrow, Andrew
; APPLICANT: Oi, Jian-shen
; TITLE OF INVENTION: DNA encoding the novel human serine
; TYPE OF INVENTION: Protease T
; FILE REFERENCE: ORT-1032
; CURRENT APPLICATION NUMBER: US/09/386,653A
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1
; LENGTH: 1110
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-386-653A-1

Query Match 15.0%; Score 165.2; DB 4; Length 1110;
Best Local Similarity 53.9%; Pred. No. 1.8e-28;

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RESULT 7
US-09-620-312D-431

; Sequence 431, Application US/09620312D

; Patent No. 6569662

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Cheaghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan

; APPLICANT: Chen, Ruil-hong

; APPLICANT: Zhao, Qing A.

; APPLICANT: Wehrman, Tom

; APPLICANT: Xue, Aiddong J.

; APPLICANT: Yang, Yongzhong

; APPLICANT: Wang, Jian-Rui

; APPLICANT: Zhou, Ping

; APPLICANT: Ma, Yunging

; APPLICANT: Wang, Dunrui

; APPLICANT: Wang, Zhiwei

; APPLICANT: John Tillingshast

; APPLICANT: Drmanac, Radivoje T.

; TITLE OF INVENTION: Polypeptides

; FILE REFERENCE: 784CTP2B

CURRENT APPLICATION NUMBER: US/09/620.312D

CURRENT FILING DATE: 2000-07-19

PRIOR APPLICATION NUMBER: 09/552,317

PRIOR FILING DATE: 2000-04-25

PRIOR APPLICATION NUMBER: 09/488,725

PRIOR FILING DATE: 2000-01-21

NUMBER OF SEQ ID NOS: 1105

SOFTWARE: pt_PL_genes Version 1.0

SEQ ID NO 431

LENGTH: 1212

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: CDS

LOCATION: (135) .. (1007)

; US-09-620-312D-431

Query Match 14.7%; Score 162; DB 4; length 1212;

Best Local Similarity 53.6%; Pred. No. 9.4e-28;

Matches 414; Conservative 0; Mismatches 340; Indels 18; Gaps 3;

Qy 112 GCTAGGGCCCCGCTACTGGGGCCCTCGGCCGCATCGGGGGCTCA 171

Db 192 GCGAAGGCAAGAACACGCTTGTGTCGCCCTCAGGAGTGTGACCGAG 251

Qy 172 AACGCCAGCTGGACCTGCTGGCTGGACATGGACGATGGGGCACATC 231

Db 252 GACACCAAGGGCGATGCTGCGACGTCAGATGCCAGGAAAGGCACTC 311

Qy 232 TCGGGGGGCTCTCATGGCCCTCTGCTGCTCTCTGCTCACTGTT--CATG 288

Db 312 TCGGGGGGAGCTCATGGAGCTGAGCTGCTGAGCTGCGCACTCTCCGAAC 371

RESULT 8
US-09-023-942A-5

; Sequence 5, Application US/09023942A

; Patent No. 6479274

; GENERAL INFORMATION:

; APPLICANT: (US only) ANTALIS Toni Marie and HOOPER John David

; TITLE OF INVENTION: NOVEL MOLECULES

; NUMBER OF SEQUENCES: 30

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER

; STREET: 400 GARDEN CITY PLAZA

; CITY: GARDEN CITY

; STATE: NEW YORK

; COUNTRY: USA

ZIP: 11530

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #11.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/023, 942A

FILING DATE: 13-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: P05101/97

FILING DATE: 13-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: P0422/97

FILING DATE: 18-NOV-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: P0422/97

FILING DATE: 18-NOV-1997

Qy 289 AGGAATGGAGCTGGAGGCCCGGGCGAGTGGTACTGCTGGGGCACTCCAG 348

Db 372 ACCTCTGAGAGCTCCCTGTACAGGTTCTCTGGGGCAAGGAACTAGTGACGGGA 431

Qy 349 GACGCCGCCCCTGGGCGCACCCCTGGGCAAGTGGGCCCCATOTGGGGCGCCAC 408

Db 432 CCACACGGCTATGTAATGCCGGTGAAGCAGTTGGAGAGAACCCCTGTACCGGCA- 489

Qy 409 TACAGCAAATGGAGCTGGGGCAACCTGGCTGGCCCTACCCGCGAC 468

Db 490 -----CGGCCCTACAGGCTGAGGCTGGCTGGCTGGTGAATGCTGGAGGGC 539

Qy 469 CTGGGGCCCGCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCAAGGC 528

Db 540 TTCACCAATTACATCCCTCCGTCGTCCTCTGACCTCTGGTGTCTGGAGGGC 599

Qy 529 ACCGGCTGCTGGGACCCGACTGGAGGAGAGGAGGAGGAGGAGGAGGAGGAGG 588

Db 600 ATGAACATGCTGGGACTCTGGTGGAGGAGGAGGAGGAGGAGGAGGAGG 659

Db 649 AGCCAGCCGCTCTCAACTCCTCAGATTT--GCCAGGAACTGTGTTGCT 705

Db 720 AGCAAGAACACGGAGTTGCTTACCAACCAAAACCATCAAGAAATGACATGCTGCGCC 779

Qy 706 GGCTACCCAGGGGGCGCAGGACACTGCGAGGGTACTCTGGGGCCCTGTGT 765

Db 780 GGCCTTGAGGGAGGCAAGAGGATGCTGCAAGGGGACTCTGGGGCCCTGTGT 839

Qy 766 GAGGGAGGAGCCGCTGGTCAGGGAGGATCACAGCTTGCTGTTGCTGGACGG 825

Db 840 CTCTGGCTGAGTGTGCTGCTGCTGAGGGGGTACAGCTGGGGAGGAGGAGG 899

Qy 826 AGAACCGCCCTGAGCTTTCAGCTGCTGGCTACCTATGGGGATGGATAC 877

Db 900 CAGAACGCCAGGTTCTACATCGGGTACCGGCCACCCAATCTGGATCC 951


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; PRIORITY APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 256
; LENGTH: 1100
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-907-794A-256

Query Match 14.7%; Score 161.6; DB 4; Length 1100;
Best Local Similarity 52.9%; Pred. No. 1..e-27;
Matches 406; Conservative 0; Mismatches 344; Indels 18; Gaps 2;
Qy 130 TCGGCGCCCTGAGCCTCGGCCCATCTGGGGCTCAACGGCGGCC 189
Db 116 TCGGGCGACGGTCATCACGGCATCGGGACTCGGGGT 175
Qy 190 TGCCTTGGAAAGTGAGCTGGACCATGGAGTTGGCACTCTGGGGCTGAGGAGGGCCACTCGGGGT 249
Db 176 TGGCCTGGAGGGAGGCTTGGCTGGCGCTGGAATGGGAGTGGAGCTGGCT 235
Qy 250 GCCCCTCTCTGGTCCCTCCGCTGCGCTGAGCTGGTTCATGAGAATGGGAGTGGAGCTGGGCC 309
Db 236 AGCCACCGCTGGCACTCACCGGGCCACCTGGTGAACCTATGAGCTTGTGAT 295
Qy 310 GCGCGGAGTGGCTGCTACTCTGGCGTC-----ACTCCAGGAGGGCCCTG 360
Db 296 ACCTCGGGTGGATGGCTCACTTGGCACTTGACTTCATGCCATCTTGAGGCTG 355
Qy 361 GACGGGGGACACCGGGAGTGGCGCTGCGCTGGCTGGCCATCGTGTGGGGCAACTAGGGAGT 420
Db 356 CAGGCTACTACACCGTTACTCTGATAATCTATGAGCTCTACCTGGGG 415
Qy 421 GAGCTGGCGCGACCTGGCTGCGCTGGCTGGCCATCGTGTGGGGCAACTAGGGAGT 480
Db 416 AATTGACCCATGACATGCTGGTGAACGCTGTGCACTGTGACCTAACAC 475
Qy 481 GTGTGCGCTCTGTGCTGCCGCGCTCACCCGCTCTGGCGACCGCGCTGGCTG 540
Db 476 ATCCAGCCATCTGTCCTCAAGCCCTCACATTGAGTTGAGACCGGAGACTGTC 535
Qy 541 GCCAACGGTGGAGAGCTGGAGAGGAGAATCTCTGCTCTCCCTGGTGTACAG 600
Db 536 GTGACTGGCTGGGGAGACATCAAGGAGGAGGACTGCCATCTCCCGACCCCTCG 595
Qy 601 GAAGTGGAGCTAAGGTGCTGGCGAGGACCTGTCATGTCACCCAGGCCGT 660
Db 596 GAAGTGGAGCTAAGGTGCTGGCGAGGACCTGTCATGTCACCCAGGCCGT 655
Qy 661 CCCTTCACCTCTACCTCCAGATATGGCCGGGCTGGCTGGCTGCCAGGGC 720
Db 656 TTCCGGAAAGAC-----ATCTTGAGACATGTTGTCGCAAGGCCAACGC 706
Qy 721 CGCAAGGACCTGCGAGGAGACTCTGGGGCCCTGCTGGAGGGGCC 780
Db 707 GGAGGAGGATCTGCTGGCTGGAGCTGAGCTGGCTGGCTGCCAGGGC 766
Qy 781 TGGTTCAGGAGGATCACAGCTTGCTGGTGTGGAGGAGAACCGCCCTGGA 840
Db 767 TGGTATCAGTTGGCTGGAGCTGGCTGGAGGAGCTGGTGTGGCCCAATGCCCGT 826
Qy 841 GTTTCGACTCTGTGCTACTATAGGGCTAGGATACCGGAGGAGTG 888
Db 827 GTCTACACCAATATGCCACCACTTGTGAGGGATCCAGAGCTGATG 874
; LENGTH: 1100

RESULT 10
US-09-905-125A-256
; Sequence 256, Application US/09905125A
; Patent No. 6,664,376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

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RESULT 13
US-09-023-942A-25
; Sequence 25, Application US/09023942A
; Patent No. 6479274
GENERAL INFORMATION:
APPLICANT: (US only) ANTALIS Toni Marie and HOOPER John David
TITLE OF INVENTION: NOVEL MOLECULES
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023, 942A
FILING DATE: 13-FEB-1998
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: P05101/97
FILING DATE: 13-FEB-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PP0422/97
FILING DATE: 18-NOV-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: International PCT Application
FILING DATE: 13-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: DIGILIO, FRANK S
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 11168
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742 4343
TELEFAX: (516) 742 4366
TELEX: 230 901 SANS JR
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 959 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2...856
US-09-023-942A-25

Query Match 14,3%; Score 157,6; DB 4; Length 959;
Best Local Similarity 52,4%; Pred. No. 8,8e-27;
Matches 377; Conservative 0; Mismatches 334; Indels 9; Gaps 1;

QY 129 CTGGCGAGGCCCTGAGCCCTCGGCCCGCATCTGGGGGCTCAACCCGAGCCGCAC 188
19 CTGGCGTACAGGACCAATCCCCTCCCTATAGTGTTGGATGATGACTGGCTGGCCG 78

Db 249 CGCCGCCCTCTGGCTCTCGCGCTGAGGAGCCATCTGGGGGAGCTCCCAT 248
139 CAACCGCCGCTGGGCTTACAGTCGCCACTGCTTCAAAGGATACGATCTTTGA 198
Db 79 CTGGCGTGGCAGGAGCCCTGGTGTATGGGCCAACCATTTATGGCGCAACTCTGCT 138

QY 369 GCACACCGCCCACTGGCCGCGCATCTGGCGCCGCGCAACTACAGGCAAGGGAGCTGG 428
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Db 489 TGTCTGCCTGCCCGGCTCACACGCTTGTCGACAGTCACCTACAACTTCATCCAGCC 378
439 CTGGGGGGCTATTGGAGAAGATGAGATCTGAGTCCTCCATTCACACTTCAGGAGTC 498

QY 379 CATCTGCCTGAGCTACATACAGTTCAGTCAGACTGAGACTGACTCTGGAGCC 438
Db 549 CTGGGGAGACCTCCAGGGAGATCTCTCGCTCCCTGGCTACCGGAAGTGA 608
QY 609 GCTAAAGCTGTGGCGAGGCCCTGAGCTCTACAGTCAGTCAGTCAGTCAGTC 668
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QY 669 CCTCACTCTCCAGATATGCAAGGAGTCCTGAGTCCTCCATTCACACTTCAGGAGTC 628

Db 550 CTTCGAGGAGACATCTGGGGAGACATGTTGCTGGCTGGCACTCTGAGGAGCGGA 609
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QY 789 GCGAGGATCACCAGCTTGTTGGCTGCGACGGAGAACGGCTGTGAGTTTCAC 848
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RESULT 14
US-09-023-942A-3
Sequence 3, Application US/09023942A
; Patent No. 6479274
GENERAL INFORMATION:
APPLICANT: (US only) ANTALIS Toni Marie and HOOPER John David
TITLE OF INVENTION: NOVEL MOLECULES
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
CITY: GARDEN CITY
STATE: NEW YORK
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023, 942A
FILING DATE: 13-FEB-1998
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: P05101/97
FILING DATE: 18-NOV-1997
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: International PCT Application
FILING DATE: 13-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: DIGILIO, FRANK S
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 11168
TELECOMMUNICATION INFORMATION:

TELEPHONE: (516) 742 4343
 TELEFAX: (516) 742 4366
 FAX: 230 901 SANS UR
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1094 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 17.. 955
 023-942A-3

Query Match 14.0%; Score 154.8; DB 4; Length 1094;
 Local Similarity 52.2%; Pred. No. 3..9e-26;
 Conservative 0; Mismatches 352; Indels 12; Gaps 2;
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 Conservative 0; Mismatches 352; Indels 12; Gaps 2;

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US-09-386-653A-8
 Sequence 8, Application US/09386653A
 ; Sequence 8, Application US/09386653A
 ; Patent No. 6458564
 ; GENERAL INFORMATION:
 ; APPLICANT: Andrade-Gordon, Patricia
 ; APPLICANT: Darrow, Andrew
 ; APPLICANT: Qi, Jian-shen
 ; TITLE OF INVENTION: DNA encoding the novel human serine
 ; FILE REFERENCE: ORT-1032
 ; CURRENT APPLICATION NUMBER: US 09/386,653A
 ; CURRENT FILING DATE: 1999-08-31
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 8
 LENGTH: 1130
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of
 OTHER INFORMATION: Protease T in a zymogen activation vector
 US-09-386-653A-8

Query Match 14.0%; Score 153.8; DB 4; Length 1130;
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 Conservative 0; Mismatches 317; Indels 18; Gaps 3;

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Qy 277 CACTGTTT---CATGAGGAATGGGACCTGGAGGCCCGGGCTGGCTGGTACTGTC 333
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Qy 334 GCGGTGCACTCCAGGAGGGGCCCTGGACGGGGGACACCGGGAGTGGGGCATC 393
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Qy 394 GTGGTGGGGCAACTAACGGAAAGTGGAGCTGGGGGAGACCTGGCCCTGCTGGCTG 453
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Thu Aug 5 07:18:02 2004

us-10-037-417-45.rni

Page 12

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Db 874 TGGATCC 880

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Job time : 110 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on:

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(without alignments)
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues
Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1102	100.0	1102	13 US-10-037-417-45
3	815.6	74.0	9	US-09-888-615-52
4	232.4	21.1	3382	15 US-10-101-510-447
5	230.8	20.9	1733	15 US-10-176-847-85
6	226.4	20.5	944	17 US-10-311-591-A
7	225.6	20.5	843	17 US-10-451-168-46
8	225.6	20.5	849	17 US-10-451-168-47
9	225.6	20.5	1020	16 US-10-051-25
10	224	20.3	1606	17 US-10-470-390A-25
11	224	20.3	1613	14 US-10-041-400A-1
12	224	20.3	1613	14 US-10-041-264A-1
13	224	20.3	1613	14 US-10-042-091A-1
14	221.2	20.1	1834	9 US-09-948-094-1

Database : Sequence 1, Appli

Published Applications NA:*

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2: Sequence 45, Appli
3: Sequence 52, Appli
4: Sequence 447, Appli
5: Sequence 85, Appli
6: Sequence 5, Appli
7: Sequence 46, Appli
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9: Sequence 25, Appli
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; Sequence 43, Application US/10037417
; Publication No. US20040052806A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook II, John P
; APPLICANT: Tchernov, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Patturajan, Meera
; APPLICANT: Groose, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Verner, Corine A.M.
; APPLICANT: Gorman, Linda
; APPLICANT: Li, Li
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Bllement, Karen
; APPLICANT: Malrankar, Uriel M
; APPLICANT: Rotenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc I
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shengy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muraiidhara
; APPLICANT: Taufer Jr, Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisner, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21102-25
; CURRENT APPLICATION NUMBER: US/10-037,417
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05

; LENGTH: 1733
; TYPE: DNA
; ORGANISM: HCV
US-10-176-847-855

; LENGTH: 1733
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-176-847-85

RESULT 6
US-10-311-591A-5
; Sequence 5, Application US/10311591A

RESULT 6
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; Sequence 5, Application US/10311591A

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QY 541 CGCACCGCTGGAGAGCGCTGGAGAGATCTCTGCGCTCTCCCTGGCTG 600
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Db 498 --GACACAGGAGGCTATGAGGCTAAGTGGGGCCACCACTAGACTCTACTCC 555
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RESULT 15
US-09-880-107-2214

; Sequence 2214, Application US/09880107

; GENERAL INFORMATION:

; Patent No. US20020142981A1

; APPLICANT: Horne, Darci T.

; APPLICANT: Vockley, Joseph G.

; APPLICANT: Scherf, Uwe

; APPLICANT: Gene Logic, Inc.

; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer

; FILE REFERENCE: 44921-52B-WO

; CURRENT APPLICATION NUMBER: US/09/880,107

; PRIOR FILING DATE: 2001-06-14

; PRIOR APPLICATION NUMBER: US 60/211,379

; PRIOR FILING DATE: 2000-06-14

; PRIOR APPLICATION NUMBER: US 60/237,054

; PRIOR FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 3950

; SOFTWARE: PatentIn Ver. 2.1

; SEQ_ID_NO: 2214

; LENGTH: 1834

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE: OTHER INFORMATION: Genbank Accession No. US20020142981A1 L41351

; US-09-880-107-2214

Query Match Score 221.2; DB 9; Length 1834;
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Job time : 561 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

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Searched: 389414 seqs, 51625971 residues

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Listing first 45 summaries

Database : Issued Patents AA:*

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SUMMARIES

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Sequence 66, Application US/08944483
; Patent No. 6232456
GENERAL INFORMATION:
APPLICANT: COHEN, MAURICE
APPLICANT: COPITIS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: GRAMADOS, EDWARD N.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STEWART, KEVIN D.
APPLICANT: STEWOUPE, STEVEN D.
TITLE OF INVENTION: NOVEL SERINE PROTEASE REAGENTS AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
TITLE OF INVENTION: OF THE PROSTATE
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADRESSE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/944,483
FILING DATE:
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6183.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

; MOLECULE TYPE: No. 6232456e
; US-08-944-483-66

Query Match Best Local Similarity 30.8%; Score 602; DB 3; Length 299;
Matches 127; Conservative 41.4%; Pred. No. 2 4e-47; Mismatches 120; Indels 12; Gaps 5;

RESULT 2
US-09-387-375-7
; Sequence 7, Application US/09387375
; GENERAL INFORMATION:
; Patent No. 6485957
; APPLICANT: Darrow, Andrew
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: DNA Encoding the Human Serine
; TIME OF INVENTION: Protease BOS
; FILE REFERENCE: ORF-1031
; CURRENT APPLICATION NUMBER: US/09/387, 375
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-386-653A-7

Query Match Best Local Similarity 30.8%; Score 602; DB 3; Length 299;
Matches 127; Conservative 41.4%; Pred. No. 2 4e-47; Mismatches 120; Indels 12; Gaps 5;

RESULT 3
US-09-386-653A-7
; Sequence 7, Application US/09386653A
; Patent No. 6485954
; GENERAL INFORMATION:
; APPLICANT: Andrade-Gordon, Patricia
; APPLICANT: Darrow, Andrew
; APPLICANT: QI, Jian-shen
; TITLE OF INVENTION: DNA encoding the novel human serine
; TITLE OF INVENTION: protease T
; FILE REFERENCE: ORF-1032
; CURRENT APPLICATION NUMBER: US/09/386, 653A
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-386-653A-7

Query Match Best Local Similarity 28.9%; Score 563; DB 4; Length 290;
Matches 117; Conservative 32; Mismatches 114; Indels 14; Gaps 6;

RESULT 4
US-09-387-375-9
; Sequence 9, Application US/09387375
; GENERAL INFORMATION:
; Patent No. 6485957
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: DNA Encoding the Human Serine
; TIME OF INVENTION: Protease BOS
; FILE REFERENCE: ORF-1031
; CURRENT APPLICATION NUMBER: US/09/387, 375
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 7
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-387-375-7

Query Match Best Local Similarity 30.2%; Score 590; DB 4; Length 284;
Matches 119; Conservative 46.3%; Pred. No. 2 8e-46; Mismatches 99; Indels 10; Gaps 3;

RESULT 4
US-09-387-375-9
; Sequence 9, Application US/09387375
; GENERAL INFORMATION:
; Patent No. 6485957
; GENERAL INFORMATION:
; APPLICANT: Darrow, Andrew
; APPLICANT: Andrade-Gordon, Patricia
; TITLE OF INVENTION: DNA Encoding the Human Serine
; TIME OF INVENTION: Protease BOS
; FILE REFERENCE: ORF-1031
; CURRENT APPLICATION NUMBER: US/09/387, 375
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 9
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: sequence of BOS zymogen fusion gene

RESULT 8
US-09-907-794A-263

; Sequence 263, Application US/09907794A
; Patent No. 6654548
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillian, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Mather, Jeanne P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, T.
; APPLICANT: Thomas, Daniel
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907-794A
PRIOR APPLICATION NUMBER: PCT/US90/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143, 048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145, 698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146, 222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547

RESULT 8
US-09-907-794A-263

; Sequence 263, Application US/09907794A
; Patent No. 6654548
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillian, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Mather, Jeanne P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, T.
; APPLICANT: Thomas, Daniel
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907-794A
PRIOR APPLICATION NUMBER: PCT/US90/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143, 048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145, 698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146, 222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547

RESULT 9
US-09-905-125A-263

; Sequence 263, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Hillian, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.

APPLICANT: Matther, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/905,125A
 CURRENT FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143, 048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145, 698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146, 222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-08-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO: 263
 LENGTH: 317
 TYPE: PRT
 ORGANISM: Homo Sapien
 S-09-905-125A-263

Query Match : 27.9%; Score 544; DB: 4; Length 317;
 Best Local Similarity 39.3%; Pred. No. 5.4e-12;
 Matches 114; Consistency 41; Mismatches 123; Indels 12; Gaps 4;

```

  7 LGGPGLGAVANSDSYLSVLYGVPSPGPRGPYGRPRPSARTVGGNSAQPGTPWQVSLLH 66
  6 10 LGGGCIGTFTSILLASTAATTAARPPVPPACKGPKQDQNLNVVGEENSTDSENPWIVNQK 69
  127 VPANISQVE-LGADIALRLASPASIGPAVNPCLDRASHRTHVHGIAWCATWGVDVERAD 185
  67 GGHHICGGSLIAPSWSAHCFMNTGTLPAEWSLGHQSQDG3PDGAHTRAVAAIV 126
  70 NGTHICAGSLSLTSRWTAAHCFKDN--LNKPYLFSTVLGAWQLGNGRSQXGVWAVE 127
  186 PLPLPFLWVQFELRLIGEATQCQLY--SQGPFPNLUQIUPGMLCGYGPSSRRDCQGD 242
  188 PLPHPFLTQKIKVPLIPDSEVCSHLYNRRGAGQP-----ITDMCLGYLERDADLGD 241

```

RESULT 10
 US-09-902-775A-263
 Sequence 263, Application US/09902775A
 Patent No. 6686451
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Borsstein, David
 APPLICANT: DeNooyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Godowski, A.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillian, Kenneth J.
 APPLICANT: Kjelavin, Ivar J.
 APPLICANT: Matther, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/902,775A
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143, 048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145, 698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146, 222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-08-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28513
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO: 263
; LENGTH: 317
; TYPE: PRT
; ORGANISM: Homo sapien
; US-09-902-775A-263

Query Match 27.9%; Score 544; DB 4; Length 317;
Best Local Similarity 39.3%; Pred. No. 5.4e-42; Matches 114; Conservative 41; Mismatches 123; Indels 12; Gaps 4; Gaps 4;

QY 7 LGPGQOLAVANSDSYSLYGLVSPGPRGPGRPERSARTGGNSAQPGTWPWQSLHH 66
Db 10 LGGGCLGPTPSILLASTAINMARPPVPGACGPQPNRQVGGEDSTDSEWPWIVSIQK 69

QY 67 GGGHICCGSSLFLAPSWLSAAGCFMNTGTLERAAENSYLGTTSQDCRLDGHTRAAV 126
70 NGTHHCAGSLLSLTSRWVITAAGFKDN--LNKPYLFSTVILGAWQLGNPGSRQQKVGVAWAE 127

QY 127 VPAVNSQVE-LGADALLRLRASPLASIGPAVWPCULRASHRFVHGTAWCATGWGVQREAD 185
Db 128 PHPVYVWKEGACADIALVRLETSQSERVICELDASITHPNTHCWSIQLQDV 187

QY 186 PLPLPWVLOEVRLILGEATCQCLYSQPQPFNLTIQILEGMLCAGYPGRDRDTCQGD 242
Db 188 PLPHPQTLQKIVPLIDSVSHVSYLWGRGQGP----ITDMLCAGYLGERAQLGD 241

QY 243 SGQPLVCEEGGWFQAGITSFGFCGRNRNRPQGVFTAVATYRAWTRBQVMG 292

Db 242 SGGPIMCQVDGAWLLAGISWGBGCAERNRPGVYISLUSAHRSSWVERKIVQG 291

RESULT 11
US-09-027-337-2

; Sequence 2, Application US/09027337B
; Patent No. 5972616
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TAGD-15: An Extracellular Serine Protease Overexpressed in Carcinomas
; TITLE OF INVENTION: Breast and Ovarian Carcinomas
; FILE REFERENCE: D6064.CIP/D
; CURRENT APPLICATION NUMBER: US/09/644,600
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/421,213
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: 09/027,337
; PRIOR FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO: 2
; LENGTH: 855
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of TAGD-15 encoded by nucleotides
; OTHER INFORMATION: 23 to 2589 of Sequence 1
; Patent No. 5972616
; US-09-027-337-2

Query Match 27.6%; Score 540; DB 4; Length 855;
Best Local Similarity 40.2%; Pred. No. 4.8e-41; Matches 113; Conservative 39; Mismatches 95; Indels 34; Gaps 7;

QY 32 ARGPYPVGCRPEP-----SARTVGGNSAQPGTWPWQSLHH-GGGHI 71
Db 581 SKGNPPECGKEDCSDSDEKDCDGLSFTRQARVWGGTDADEGEWPMQVSLHALQGQHI 640

QY 72 CGGSLIAPSWSLSAACCFMNTG---TLEPAABRWSVILGIVSQ-DGPDLDGHTRAAAV 128
Db 641 CGASLISPWNLVSAAHCYIDDRGFRRYSDPTQWIAFGLHDQSORSAPGVQERRKKISH 700

QY 129 ANYSQVELGADALLRLRASPLASIGPAVWPCULRASHRFVHGTAWCATGWGVQREAD 188
Db 701 PFFNDTTFDYLALLEKPAEYSSMVRPICLDPASHVFPAGKAWTGWHTQYGGTA 760

QY 189 LPWVLOEVRLILGEATCQCLYSQPQPFNLTIQILEGMLCAGYPGRDRDTCQGD 247
Db 761 L--LQKGKEIRVINTQTCENLQO----QIPRMWCGLFSQGSDGQGGLPS 810

QY 248 VCEEGGWFQAGITSFGFCGRNRNRPQGVFTAVATYRAWTRB 288
Db 811 SVEADGRIFQAGVVSNGDGCQRNPKGVYTRPLFRDWIKE 851

RESULT 13
US-09-654-600A-2

; Sequence 2, Application US/09654600A
; Patent No. 649471
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TAGD-15: An Extracellular Serine Protease Overexpressed in Carcinomas
; FILE REFERENCE: D6064.CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; US-09-027-337-2

PRIOR FILING DATE: 1999-10-20
 1998-02-20
 NUMBER OF SEQ ID NOS: 98
 SEQ ID NO: 2
 LENGTH: 855
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: TADG-15
 US-09-654-600A-2

Query Match Best Local Similarity 40.2%; Score 540; DB 4; Length 855;
 Matches 113; Conservative 39; Mismatches 95; Indels 34; Gaps 7;

QY 32 ARGPPYQGRGP-----SARIGGSNAQQPCTMPWQVSLHH-GGGT
 Db 581 SKGNPBCDGKDCSDQSDEKDCCGILRSFRQARYTGTTADEGEGWPWQSVSHALQGQT
 QY 72 CGGSLTAPSVLSSAACFMNG-TLEPAEWSVLLGVHQ-Q-DGLDGAITRAVAAIVP
 Db 641 CGASLJSPNVLVAACHTCYTDGRFYSRDPPTQWTAGLHQQSQRASPQYVVERIKRISH
 QY 129 ANYSQVELGDAILTRLASLGRASLGRAWPVCILPRASHRFHGTAATCWTGQGDVBDAPL
 Db 701 PFPNPFETFDVIALALEKAEFAYSSWMPRCIPDASHVFAKGAKLWVHGHTQYGGTA
 QY 189 LPWVHQEVETLILGATCQOLYSQGPENNTIQIPLPGMCLAGYPEGRDRDQCQGSGGGP-
 Db 761 L-IIGKEERVINOTCENILPQ-----QTPRMVQGFGSGGVNSCQGSGGGPS
 QY 248 VCEEGGRWPAQITSRGCCRARRPGVFTAVATEAMIRE 288
 Db 811 SVEADGRIFQAGVSWGDDAQRNKEPVYRPLRWDWIKR 851

RESULT 14
 US-09-008-271A-3
 Sequence 3, Application US/09008271A
 Patent No. 6203979
 GENERAL INFORMATION:
 APPLICANT: Banman, Olga
 Hillman, Jennifer L.
 Yue, Henry
 Guegler, Karl J.
 Corley, Neil C.
 Tang, Tom Y.
 Shai, Purvi
 TITLE OF INVENTION: HUMAN PROTEASE MOLECULES
 NUMBER OF SEQUENCES: 24
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Dr.
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/008-271A
 FILING DATE: 16-Jan-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: <Unknown>
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Mohan-Peterson, Shela
 REGISTRATION NUMBER: 41,201
 REFERENCE/DOCKET NUMBER: PF-0458 US
 TELEPHONE: 650-855-0555
 TELEX: 650-845-4166
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 314 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: Linear
 IMMEDIATE SOURCE:
 LIBRARY: PROSTUT03
 CLONE: 789927
 SEQUNCE DESCRIPTION: SEQ ID NO: 3 :
 US-09-008-271A-3

Query Match Best Local Similarity 39.0%; Score 534.5; DB 3; Length 314;
 Matches 110; Conservative 53; Mismatches 100; Indels 19; Gaps 8;

QY 29 SGPARPGPYQGRPERSARTVGGSAQGPCTMPWQVSLHHGGCHICGGSLTAPSVLSSAAC
 Db 84 FMTNGTLEPAEWSVLLGV-HQSODG-P-LDGAHTR-AVAAIVPANYSQVELG--ADLA 141
 Db 26 AAPISGP-CGRRVITTSRIVGGEDEALGRMPWQSSRLMDSHVCGVSLSHWRWALTAAHC 83
 QY 89 FMTNGTLEPAEWSVLLGV-HQSODG-P-LDGAHTR-AVAAIVPANYSQVELG--ADLA 141
 Db 84 FTVYSDLSDESGWMQFGQIQLTSMPSFWSTQAVYTFYFVSMILSPRY---LGNSPYDIA 139
 Db 142 LIRLASPASLGPAWMPVCILPRASHRFHGTAATCWTGQDVQEADPLPLPWVQEVRLIL 201
 Db 140 LVKLSAPVYTKHLOPICLOASTEFENRITDCWVITGWGVIKEDEALSPHTLQEVQVALL 199
 QY 202 GRATCQCLVQSQGPENNTIQIPLPGMCLAGYPEGRDRDQCQGSGGGP-
 Db 200 NNSMCNUHLFLK--YSRKDQIFGDNWMCAGNAQGKDACTFCDSGGPLACINKNGLWYQIGVV 256
 QY 262 SFGFGCCRARRPGVFTAVATEAMIRE--QVMGSEBPGPAPP 300
 Db 257 SWGVCGGRNRPGVFTAVATEAMIRE--QVMGSEBPGPAPP 298

RESULT 15
 US-09-907-794A-257
 Sequence 257, Application US/0907794A.
 Patent No. 6635468
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Bacon, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hans Peter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddaat, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillian, Kenneth J.
 APPLICANT: KJ Lavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907-794A

TELECOMMUNICATION INFORMATION:

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; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 257
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Homo sapien
; US-09-907-794A-257

Query Match          27.4%; Score 534.5; DB 4; Length 314;
Best Local Similarity 39.0%; Pred. No. 4e-41; 100; Indels 19; Gaps 8;
Matches 110; Conservative 53; Mismatches 100; Length 314;
Score 534.5; DB 4; Pred. No. 4e-41; 100; Indels 19; Gaps 8;
Match Statistics: 100% query coverage, 100% subject coverage
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Db                26 APLSGP--CGRVTISRSIVEGEDASILGRWPWQGSILRWDHVCYTSLLSHRWALTAHC 83
Query             89 FNTNGTLEPAATWNSVLIG-VHSQDG--PLDGAHTR-AVAATVVPANYSQVELG--ADLA 141
Db                84 FETYSLSDPSQWVQFQLTSPMSFWSLQAYTRFVSNYLSPRY---LGNSPYDIA 139
Query             142 LRLASPLGPAWVPCVLPRASTRHFRVHGTCAWATGWGVDRADPPLPWLQEVRLL 201
Db                140 IKLISAPVTYTHIQPICLQSTEFFNRIDCWTWIGYIKDEALPSPHILOEVALL 199
Query             202 GEATCQCLYSQGPFPNULQIPIGMCAGYPRGRDPQCQGSGGPPVCEGGRWFAGIT 261
Db                200 NNSMCNHLFLK--YSFRKDIDGDMVCAGNAGQGKDACFGDGGGPLACRNKLWVQIGVV 256
Query             262 SFGFGCQRRNRPGVFTAVATHEAWIRE--QWMGSEGPATP 300
Db                257 SWVGCCRPNRPGVYTMISHFWIWIQIMAQSMSQDPDSPW 298

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Search completed: July 30, 2004, 08:46:08
 Job time : 20 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

July 30, 2004, 08:44:48 ; Search time 46 Seconds

Sequence:

1 MAQKGWLGPGQLGAVANSDS TKSILVLPWLSPHSLSLIGLWGF 357

Scoring table: BLOSUM62
 Gapov 10.0 , Gapext 0.5

Searched:

1291235 seqs, 313682936 residues

Title:

US-10-037-417-46

Perfect score:

1953

Sequence:

1 US-10-037-417-46 (without alignments)

Minimum DB seq length:

0

Maximum DB seq length:

200000000

Post-processing:

Minimum Match 0%

Maximum Match 100%

listing first 45 summaries

Database :

Published_Applications_AA:*

Result:

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2: /cgnd_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*

3: /cgnd_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

4: /cgnd_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*

5: /cgnd_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

6: /cgnd_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*

7: /cgnd_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

8: /cgnd_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

9: /cgnd_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*

10: /cgnd_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*

11: /cgnd_6/ptodata/1/pubpaa/US09_NW_PUB.pep:*

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13: /cgnd_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*

14: /cgnd_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*

15: /cgnd_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*

16: /cgnd_6/ptodata/1/pubpaa/US10_NW_PUB.pep:*

17: /cgnd_6/ptodata/1/pubpaa/US60_NW_PUB.pep:*

18: /cgnd_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

RESULT 1
 US-10-037-417-46; Sequence 45, Application US/10037417
 ; Publication No. US20040052806A1
 ; GENERAL INFORMATION:

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Alsobrook II, John P

; APPLICANT: Tchernov, Velizar T

; APPLICANT: Liu, Xiaohong

; APPLICANT: Spytek, Kimberly A

; APPLICANT: Paturajan, Meera

; APPLICANT: Gross, William M

; APPLICANT: Lepley, Denise M

; APPLICANT: Burgess, Catherine E

; APPLICANT: Vernet, Corine A.M.

; APPLICANT: Li, Li

; APPLICANT: Gottman, Linda

; APPLICANT: Edinger, Shlomit R

; APPLICANT: Sciore, Paul

; APPLICANT: Ellerman, Karen

; APPLICANT: Malyankar, Uriel M

; APPLICANT: Rothenberg, Mark

; APPLICANT: Stone, David J

; APPLICANT: Boldog, Ferenc I

; APPLICANT: Guo, Xaojia

; APPLICANT: Shenoy, Suresh G

; APPLICANT: Anderson, David W

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Taupier Jr, Raymond J

; APPLICANT: Miller, Charles E

; APPLICANT: Eisen, Andrew J

; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same

; FILE REFERENCE: 21402-235
 ; CURRENT APPLICATION NUMBER: US/10-037-417
 ; CURRENT FILING DATE: 2002-09-20
 ; PRIOR APPLICATION NUMBER: 60/260,018
 ; PRIOR FILING DATE: 2001-01-05
 ; PRIORITY NUMBER: 60/260,360

ALIGNMENTS

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1933	100.0	357	12 US-10-037-417-46 Sequence 46, Appl
2	1874	96.0	344	12 US-10-037-417-44 Sequence 44, Appl
3	1505	77.1	818	9 US-09-888-615-111 Sequence 111, Appl
4	690	35.3	343	9 US-09-948-094-2 Sequence 2, Appl
5	690	35.3	343	12 US-10-042-865-150 Sequence 150, Appl
6	630	35.3	343	12 US-10-037-417-130 Sequence 130, Appl
7	690	35.3	343	14 US-10-176-847-86 Sequence 86, Appl
8	690	35.3	343	14 US-10-097-340-262 Sequence 262, Appl
9	690	35.3	343	15 US-10-071-566-125 Sequence 125, Appl
10	645	35.3	343	16 US-10-311-591A-3 Sequence 3, Appl
11	645	33.0	307	12 US-10-042-865-30 Sequence 30, Appl
12	631	32.3	342	12 US-10-042-865-154 Sequence 154, Appl
13	630.5	32.3	339	12 US-10-042-865-153 Sequence 153, Appl
14	627.5	32.1	339	14 US-10-109-616-2 Sequence 2, Appl
15	621	31.8	342	12 US-10-042-865-32 Sequence 32, Appl

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; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/305,060
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 60/318,405
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 46
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-037-417-46

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Query Match 100.0%; Score 1953; DB 12; Length 357;

Best Local Similarity 100.0%; Pred. No. 3.1e-161; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60
Db 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60

QY 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120
Db 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120

QY 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180
Db 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180

QY 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240
Db 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240

QY 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300
Db 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300

QY 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 357
Db 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 357

RESULT 2
US-10-037-417-44

; Sequence 44, Application US/10037417

; Publication No. US20040052806A1

; GENERAL INFORMATION:

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Alsobrook II, John P

; APPLICANT: Tochner, Velizar T

; APPLICANT: Liu, Xiaohong

; APPLICANT: Spytek, Kimberly A

; APPLICANT: Batturajan, Meera

; APPLICANT: Gross, William M

; APPLICANT: Dlepley, Denise M

; APPLICANT: Burgess, Catherine E

; APPLICANT: Vernet, Cozine A.M.

; APPLICANT: Li, Li

; APPLICANT: Gorman, Linda

; APPLICANT: Edinger, Shlomit R

; APPLICANT: Sciore, Paul

; APPLICANT: Bllemeran, Karen

; APPLICANT: Malyankar, Uriel M

US-10-037-417-44

Query Match 96.0%; Score 1874; DB 12; Length 344;

Best Local Similarity 100.0%; Pred. No. 2.2e-154; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60
Db 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60

QY 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120
Db 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120

QY 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180
Db 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180

QY 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240
Db 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240

QY 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300
Db 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300

QY 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 344
Db 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 344

```

; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaojia
; APPLICANT: Shenvoy, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Padigaru, Muralidhra
; APPLICANT: Taupier, Jr., Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214-02-235
; CURRENT APPLICATION NUMBER: US10/037,417
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/272,411
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/272,817
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/291,186
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 60/303,231
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/318,700
; PRIOR FILING DATE: 2001-09-12
; NUMBER OF SEQ ID NOS: 227
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 44
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-037-417-44

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Query Match 96.0%; Score 1874; DB 12; Length 344;

Best Local Similarity 100.0%; Pred. No. 2.2e-154; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60
Db 1 MAQKGVLGPGOLGAVANSDSYSLYGLVPSGRGPPYCGRPEPSARIIVGSSNAQGTWPW 60

QY 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120
Db 61 QVSLHGGGHICGGSLIAPSNTLSAACFCMNGTLEPAEWSVLLGVHSODGPDAHTR 120

QY 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180
Db 121 AVAATVPANYSQVELGADALLRIASPASIGPATWVPCIPRASRFVHGTAACWGWG 180

QY 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240
Db 181 VQEADLPLPWLQEVRLRIGEATOCQLYSQPGPNLTQILPGMLCAGYPEGRDTQ 240

QY 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300
Db 241 GDGGGLVCERGWRQAGITSGFGCCRGRNRPGVFTAVATEAWIREQWSEGPAPP 300

QY 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 344
Db 301 TQPKQTSQDCHQTAQTLDSARILLRPLSHISVGVSTGTKSILVLPMLSPHSILGLWQF 344

RESULT 3
US-09-888-615-111
; Sequence 111, Application US/09888615
; Patent No. US20020064856A1

; SEQ ID NO 150
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-042-865-150

Query Match Similarity 35.3%; Score 690; DB 12; Length 343;
Best Local Similarity 43.6%; Pred. No. 1. 6e-51; Mismatches 129; Indels 24; Gaps 10;
Matches 156; Conservative 49; Mismatches 129; Indels 24; Gaps 10;

Qy 1 MAQKGVLGPGDQGAVANSDS~~T~~S~~L~~Y-GIVPSP~~R~~--ARGPPYCGR~~P~~RSARTVGSSNAQP 55
Db 1 MAQKGVLGPGDQGAVANSDS~~T~~S~~L~~Y-GIVPSP~~R~~--CG-VAPQRTGSSAVA 53

Qy 56 GTWPWQUSLHGGGHC~~G~~SSLAPS~~N~~LSAHC~~F~~WMNGTLEPAE~~N~~SVLGH~~S~~QDGLD 115
Db 54 GOWPWQYSITEGVHVGGSLSVEOWNTSAAC~~H~~C~~F~~PSBHHK~~E~~--AYEVKLG~~A~~HOLD~~S~~YE 110

Qy 116 GA~~H~~TRAVATAVWPANT~~S~~QVELGADALI~~R~~LASPASLGPAW~~V~~CLPRASHRFVHG~~T~~CA 175
Db 111 DAKVSTKDI~~H~~PHPSLQEGSGDIALQLSR~~P~~ITS~~R~~YR~~I~~PLA 170

Qy 176 TGWDYDQEADP~~L~~PLP~~N~~TYL~~R~~LR~~I~~GEATOC~~C~~LYSOPGP~~F~~EN~~N~~LTQ~~I~~PGM~~C~~AG~~P~~GR 235
Db 171 TGWHYAPVS~~S~~LTP~~R~~PLQ~~O~~LVPL~~S~~RE~~T~~IC~~N~~LYNIDAKE~~B~~EPH~~H~~VOEDM~~V~~CAG~~V~~EGG 230

Qy 236 RDT~~C~~QDGG~~G~~PLVCE~~B~~GG~~R~~WFOAG~~T~~ISFGC~~G~~RR~~N~~PGVFTAVATEAM~~R~~REQW~~S~~EP 295
Db 231 KDA~~C~~QDGG~~G~~PLSCPV~~E~~GLW~~I~~YTGIVSWGDAG~~A~~GR~~N~~RPGV~~V~~TLASSYASW~~I~~OSKV--TEL 288

Qy 296 GAA~~F~~PT~~P~~Q~~K~~TS~~D~~--CLHOTAFLDS-ARILRPLSHISVG~~V~~STGT~~K~~SLVLPWLS~~P~~H 349
Db 289 QPRVW~~V~~POT~~Q~~ES~~P~~DSNL~~C~~GSHAFSSA~~P~~QGLR~~P~~FLP~~I~~PLG~~L~~ALG--LLSPWLSEH 343

RESULT 6
US-10-037-417-130

; Sequence 130, Application US/10037417
; Publication No. US20040052806A1

; GENERAL INFORMATION:

; APPLICANT: Kekuda, Ramesh
; APPLICANT: Alsobrook III, John P
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Liu, Xiaohong
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Paturrajan, Meera
; APPLICANT: Gross, William M
; APPLICANT: Dlepley, Denise M
; APPLICANT: Burgess, Catherine E
; APPLICANT: Vernet, Corine A.M.
; APPLICANT: Li, Li
; APPLICANT: Gorman, Linda
; APPLICANT: Badinger, Shlomit R
; APPLICANT: Sciore, Paul
; APPLICANT: Ellerman, Karen
; APPLICANT: Malyanikar, Uriel M
; APPLICANT: Rothenberg, Mark
; APPLICANT: Stone, David J
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Guo, Xiaonia
; APPLICANT: Shenvi, Suresh G
; APPLICANT: Anderson, David W
; APPLICANT: Radigaru, Muralidhara
; APPLICANT: Taurier Jr., Raymond J
; APPLICANT: Miller, Charles E
; APPLICANT: Eisen, Andrew J
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-235
; CURRENT APPLICATION NUMBER: US/10/037,417
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: 60/260,018
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: 60/260,360

Query Match Similarity 35.3%; Score 690; DB 12; Length 343;
Best Local Similarity 43.6%; Pred. No. 1. 6e-51; Mismatches 129; Indels 24; Gaps 10;
Matches 156; Conservative 49; Mismatches 129; Indels 24; Gaps 10;

Qy 1 MAQKGVLGPGDQGAVANSDS~~T~~S~~L~~Y-GIVPSP~~R~~--ARGPPYCGR~~P~~RSARTVGSSNAQP 55
Db 1 MAQKGVLGPGDQGAVANSDS~~T~~S~~L~~Y-GIVPSP~~R~~--CG-VAPQRTGSSAVA 53

Qy 56 GTWPWQUSLHGGGHC~~G~~SSLAPS~~N~~LSAHC~~F~~WMNGTLEPAE~~N~~SVLGH~~S~~QDGLD 115
Db 54 GOWPWQYSITEGVHVGGSLSVEOWNTSAAC~~H~~C~~F~~PSBHHK~~E~~--AYEVKLG~~A~~HOLD~~S~~YE 110

Qy 116 GA~~H~~TRAVATAVWPANT~~S~~QVELGADALI~~R~~LASPASLGPAW~~V~~CLPRASHRFVHG~~T~~CA 175
Db 111 DAKVSTKDI~~H~~PHPSLQEGSGDIALQLSR~~P~~ITS~~R~~YR~~I~~PLA 170

Qy 176 TGWDYDQEADP~~L~~PLP~~N~~TYL~~R~~LR~~I~~GEATOC~~C~~LYSOPGP~~F~~EN~~N~~LTQ~~I~~PGM~~C~~AG~~P~~GR 235
Db 171 TGWHYAPVS~~S~~LTP~~R~~PLQ~~O~~LVPL~~S~~RE~~T~~IC~~N~~LYNIDAKE~~B~~EPH~~H~~VOEDM~~V~~CAG~~V~~EGG 230

Qy 236 RDT~~C~~QDGG~~G~~PLVCE~~B~~GG~~R~~WFOAG~~T~~ISFGC~~G~~RR~~N~~PGVFTAVATEAM~~R~~REQW~~S~~EP 295
Db 231 KDA~~C~~QDGG~~G~~PLSCPV~~E~~GLW~~I~~YTGIVSWGDAG~~A~~GR~~N~~RPGV~~V~~TLASSYASW~~I~~OSKV--TEL 288

Qy 296 GAA~~F~~PT~~P~~Q~~K~~TS~~D~~--CLHOTAFLDS-ARILRPLSHISVG~~V~~STGT~~K~~SLVLPWLS~~P~~H 349
Db 289 QPRVW~~V~~POT~~Q~~ES~~P~~DSNL~~C~~GSHAFSSA~~P~~QGLR~~P~~FLP~~I~~PLG~~L~~ALG--LLSPWLSEH 343

RESULT 7
US-10-176-847-86

; Sequence 86, Application US/10176847
; Publication No. US20030068636A1

; GENERAL INFORMATION:

; APPLICANT: Veaby, Better Ole
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
; TITLE OF INVENTION: AND OVARIAN CANCER
; FILE REFERENCE: MII-039
; CURRENT APPLICATION NUMBER: US/10/176,847
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 86
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-176-847-86

Query Match Similarity 35.3%; Score 690; DB 14; Length 343;

Best Local Similarity 43.6%; Pred. No. 1.6e-51; Matches 156; Conservative 49; Mismatches 129; Indels 24; Gaps 10;

; ORGANISM: Homo sapiens
US-10-097-340-262

Query Match Score 690; DB 14; Length 343;
 Best Local Similarity 43.6%; Pred. No. 1.6e-51;
 Matches 155; Concatenated; Minmatch 130; Indel = 2

34: Game 10:

QY 56 GTPWPWVSTLHGCGGHCIGGSILAPSWLISAHCEMNGTLPAEENSVLGVHSQGQLD 115
 1 MAQKGTVGPQGQGAVANSDSITYGLVPSP-----ARGPYCGRPEPSARIVGGNAQP 55
 Db 1 MAQKGTVGPQGQGAVANSDSITYGLVPSP-----ARGPYCGRPEPSARIVGGNAQP 55
 QY 57 GTPWPWVSTLHGCGGHCIGGSILAPSWLISAHCEMNGTLPAEENSVLGVHSQGQLD 115
 Db 54 GOWPQWQSITVTEGVHVGCGSILVSEQWVLSAHCFRSEHHKE---AYEVKLGQAHQLSYSE 110
 QY 116 GAHTRAAVATIVPANTSQVELGADALLRLASPASIGPAPWVPCLERASHRFVHGACWA 175
 Db 111 DAKVSTKDILPHPSLTQESQGDNLQNSRPTTSRYTRPCLAAANSRPPNGHLCTV 170
 176 TCGWDVQEADPLPLPWTQEVRLRJGEATCQCLYSQGPFPNLTQIQLPGMLCAGFEGR 235
 QY 171 TOWGHYAPSVSLTTPRQLQEVPLSRETNCYLNIDAKEBEPHTVOEDMVAGYVEGG 230
 Db 236 RDTQCQDSSGGLVCEBGRWRHQAGITSFGCGRRRNRPGVFTAVAYEAMIREQWNGSEP 295
 QY 231 KDAQCDSSGGGLPSCPVBLWVITGIVSWGDAGARURPGVTIASSYASWIOSKV--TEL 288
 296 GPFAPTOPOKTSD--CLHQTAFJS-ARTLRPSPHISYGVGTCIKSLVLPWMSPH 349
 Db 289 OPRVVTOTESPQBDPSLNUCGSHLAFSSAQAQSLPRLPFLPGLALG---LISPWWHE 343

TITLE OF INVENTION: Polypeptides and Polynucleotides Encoding Same
FILE REFERENCE: 15966-556.CPL
CURRENT APPLICATION: US/10/074,566
CURRENT FILING DATE: 2002-02-13
PRIORITY APPLICATION NUMBER: 03/619,252
PRIORITY FILING DATE: 2000-07-19
PRIORITY APPLICATION NUMBER: 60/144,722
PRIORITY FILING DATE: 1999-07-20
PRIORITY APPLICATION NUMBER: 60/167,785
PRIORITY FILING DATE: 1999-11-29
PRIORITY APPLICATION NUMBER: 60/276,994
PRIORITY FILING DATE: 2001-03-19
PRIORITY APPLICATION NUMBER: 60/280,898
PRIORITY FILING DATE: 2001-04-02
PRIORITY APPLICATION NUMBER: 60/332,241
PRIORITY FILING DATE: 2001-11-14
PRIORITY APPLICATION NUMBER: 60/288,062
PRIORITY FILING DATE: 2001-05-02
PRIORITY APPLICATION NUMBER: 60/291,766
PRIORITY FILING DATE: 2001-05-17
PRIORITY APPLICATION NUMBER: 60/314,007
PRIORITY FILING DATE: 2001-08-21
NUMBER OF SEQ ID NOS: 132
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 125
LENGTH: 343
TYPE: PRT

; ORGANISM: human
US-10-074-566-125

Query Match 35.3%; Score 690; DB 15; Length 343;
Best Local Similarity 43.6%; Pred. No. 1.6e-51; Mismatches 156; Conservative 49; Indexes 24; Gaps 10;
Matches 156; Conservatve 49; Mismatches 129; Indels 24; Gaps 10;

Qy 1 MAQKGVLGPGQGAVANSDSLWY-GLVPSGP---ARGPPYCGRPPSARIVGGSNAP 55
Db 1 MAQKGVLGPGQGAVANSDSLWY-GLVPSGP---ARGPPYCGRPPSARIVGGSNAP 55

Qy 56 GTWPWQVSLHHLGGHGGSLIAPSWSAHCFTMGTLPAAEWSLIGHFSQNGPLD 115
Db 54 GOMPWQVSVITYGVHVCGGSLSVSEOWTSAACFPSPHHK---AYEVKLGHQHDSYE 110

Qy 116 GAATRAVAAIVVTPANTSQVELGADALIRLASPASLGPAWVFCPLRASHFVHGACMA 175
Db 111 DAKVSTKDLIPHPSPYQEGSGDIALIQSRPITSRYRTPICLAAANASFPNGHCTV 170

Qy 176 RTGWDVQEAADPILPLPWVQEVTVLGEATCOCLYSQGPFPNLTQLTPGMICAGVPEGR 235
Db 171 TGWHVHAPSVLTSPLTPELQVNPPLSRETCTCCLVNLDAKEBEPHVOEDMVAGVEGG 230

Qy 236 RDTCPQKQSD--CLHQAFADS-ARILRPLSHISVYVSTGTKSILVPLSPH 295
Db 231 KDACQGDGGPLSCPVEGLWVITGIVSWGDAGARNRPGVYTASSYASWQKV---TEL 288

Qy 296 GRAPPTOPKQSD--CLHQAFADS-ARILRPLSHISVYVSTGTKSILVPLSPH 349
Db 289 QPRVVPQTQESPPDSNLGSHAFSSAQPQGLRPLFLPGLALG---LISPWSEH 343

RESULT 10
US-10-311-591A-3

; Sequence 3, Application US/10311591A
; Publication No. US20040141962A1

; GENERAL INFORMATION:
; APPLICANT: Xiao, Yonghong
; TITLE OF INVENTION: Regulation of Human Prostasin-Like
; FILE REFERENCE: 004974-00929
; CURRENT APPLICATION NUMBER: US/10/311-591A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 60/213,474
; PRIOR FILING DATE: 2000-06-23
; PRIORITY FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 6
; SEQ ID NO 3
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-311-591A-3

Query Match 35.3%; Score 690; DB 16; Length 343;
Best Local Similarity 43.6%; Pred. No. 1.6e-51; Mismatches 156; Conservative 49; Indexes 24; Gaps 10;
Matches 156; Conservatve 49; Mismatches 129; Indels 24; Gaps 10;

Qy 1 MAQKGVLGPGQGAVANSDSLWY-GLVPSGP---ARGPPYCGRPPSARIVGGSNAP 55
Db 1 MAQKGVLGPGQGAVANSDSLWY-GLVPSGP---ARGPPYCGRPPSARIVGGSNAP 55

Qy 56 GTWPWQVSLHHLGGHGGSLIAPSWSAHCFTMGTLPAAEWSLIGHFSQNGPLD 115
Db 55 GTWPWQVSLHHLGGHGGSLIAPSWSAHCFTMGTLPAAEWSLIGHFSQNGPLD 115

Qy 54 GOMPWQVSVITYGVHVCGGSLSVSEOWTSAACFPSPHHK---AYEVKLGHQHDSYE 110
Db 54 GOMPWQVSVITYGVHVCGGSLSVSEOWTSAACFPSPHHK---AYEVKLGHQHDSYE 110

Qy 116 GAATRAVAAIVVTPANTSQVELGADALIRLASPASLGPAWVFCPLRASHFVHGACMA 175
Db 111 DAKVSTKDLIPHPSPYQEGSGDIALIQSRPITSRYRTPICLAAANASFPNGHCTV 170

Qy 176 RTGWDVQEAADPILPLPWVQEVTVLGEATCOCLYSQGPFPNLTQLTPGMICAGVPEGR 235
Db 171 TGWHVHAPSVLTSPLTPELQVNPPLSRETCTCCLVNLDAKEBEPHVOEDMVAGVEGG 230

Qy 236 RDTCPQKQSD--CLHQAFADS-ARILRPLSHISVYVSTGTKSILVPLSPH 295
Db 231 KDACQGDGGPLSCPVEGLWVITGIVSWGDAGARNRPGVYTASSYASWQKV---TEL 288

Qy 296 GRAPPTOPKQSD--CLHQAFADS-ARILRPLSHISVYVSTGTKSILVPLSPH 349
Db 289 QPRVVPQTQESPPDSNLGSHAFSSAQPQGLRPLFLPGLALG---LISPWSEH 343

RESULT 11
US-10-042-865-30

; Sequence 30, Application US/10042865
; Publication No. US20040029216A1

; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zhong, Mei
; APPLICANT: Gangolli, Esha A
; APPLICANT: Burgess, Catherine E
; APPLICANT: Paturajan, Meera
; APPLICANT: Vernet, Corine A.M
; APPLICANT: Taylor, Sarah
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Miller, Charles E
; APPLICANT: Guo, Xiaochia
; APPLICANT: Boldg, Ference L
; APPLICANT: Gross, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Gerlach, Valerie L
; APPLICANT: Bainger, Shlomit R
; APPLICANT: Rothenberg, Mark R
; APPLICANT: Ellerman, Karen
; APPLICANT: Macdougal, John
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smitsson, Glenda
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, David
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-537

CURRENT APPLICATION NUMBER: US/10/042-865
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/272,338
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/274,876
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/284,704
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-042-865-30

Query Match 33.0%; Score 645; DB 12; Length 307;
Best Local Similarity 41.3%; Pred. No. 1.1e-07; Mismatches 148; Conservative 45; Indexes 105; Indels 60; Gaps 11;

Qy 116 GAATRAVAAIVVTPANTSQVELGADALIRLASPASLGPAWVFCPLRASHFVHGACMA 175
Db 111 DAKVSTKDLIPHPSPYQEGSGDIALIQSRPITSRYRTPICLAAANASFPNGHCTV 170

Qy 176 GTWPWQVSLHHLGGHGGSLIAPSWSAHCFTMGTLPAAEWSLIGHFSQNGPLD 115
Db 176 GTWPWQVSLHHLGGHGGSLIAPSWSAHCFTMGTLPAAEWSLIGHFSQNGPLD 115

Qy 296 GRAPPTOPKQSD--CLHQAFADS-ARILRPLSHISVYVSTGTKSILVPLSPH 349
Db 289 QPRVVPQTQESPPDSNLGSHAFSSAQPQGLRPLFLPGLALG---LISPWSEH 343

1 MAQKGVLSPGQGLAVV--LIVIGLRSCTAEGEAP--CG-VAQARIITGGSSAV 53
 QY 56 GTPWPWQVSILHGGHHICGSSLTAPSWSLAAHFEMTNLEPAFAEWSTLVGHQSQQPLD 115
 QY 54 GQNPWQVSITYEGVHVGCGSLVSEQWLSAACF-- 87
 QY 116 GATRVAALIVPANYSQVELGADALLRLASPLGPAPWVCLPRASHRVAHGIAWA 175
 QY 88 -----PSEHKGSGQ-DIAUQLSRPTSYVRIPCLPAAANASFPNGHCTV 134
 QY 176 TGWGDVDAEPLPLPVWQEVELRLGEATCOCYLSPQGPFLNLTQILPGMCAGYBEGR 235
 QY 135 TGWGHVARSVLITPKLQLEVPLISRETNCNLVNDAKPERPHEVQEDMVCAGYVEGG 194
 QY 236 RPPCQGPGGGPLVCEBEGRMFOAGITRGFGCCRRNRPGVFTAATVTEAMWRBQMVGSEP 295
 QY 195 KOACQDSDPLSCPVGELWLYTGIVSWGDAGARNRPGVYTLASSWVQSKV--TEL 252
 QY 296 GRAPPFIQKTSQD--CLHQATFLDS-ARILRPLHSVAGSTGTSVLPWLSH 349
 Db 253 QPRVVPQTOESQPDSDNLQGSHAFSAPAQGURPILPILGIALG--LISFWLISH 307
 RESULT 12
 US-10-042-865-154
 Sequence 154, Application US/10042865
 Publication No. US20040029216A1
 GENERAL INFORMATION:
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Li, Li
 APPLICANT: Zerhusen, Bryan D
 APPLICANT: Casman, Stacie J
 APPLICANT: Shenvoy, Suresh G
 APPLICANT: Spytek, Kimberly
 APPLICANT: Gangoli, Esha A
 APPLICANT: Patturajan, Meera
 APPLICANT: Vernet, Corine A.M
 APPLICANT: Taylor, Sarah
 APPLICANT: Tcherney, Velizar T
 APPLICANT: Millet, Charles E
 APPLICANT: Guo, Xiaojia
 APPLICANT: Boldog, Ference L
 APPLICANT: Gross, William M
 APPLICANT: Alsobrook II, John P
 APPLICANT: Gerlach, Valerie L
 APPLICANT: Edinger, Shlomit R
 APPLICANT: Rothenberg, Mark E
 APPLICANT: Ellementar, Karen
 APPLICANT: Macdougall, John
 APPLICANT: Malynkar, Uriel M
 APPLICANT: Millet, Isabelle
 APPLICANT: Peyman, John
 APPLICANT: Smithson, Glenna
 APPLICANT: Gunther, Erik
 APPLICANT: Stone, David
 TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
 CURRENT FILING DATE: 2002-05-17
 CURRENT FILING DATE: 2002-05-17
 PRIOR APPLICATION NUMBER: 60/260,417
 PRIOR FILING DATE: 2001-01-09
 PRIOR APPLICATION NUMBER: 60/260,831
 PRIOR FILING DATE: 2001-01-10
 PRIOR APPLICATION NUMBER: 60/272,338
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/274,876
 PRIOR FILING DATE: 2001-03-09
 PRIOR APPLICATION NUMBER: 60/284,704
 PRIOR FILING DATE: 2001-04-18
 RESULT 13
 US-10-042-865-153
 Sequence 153, Application US/10042865
 Publication No. US20040029216A1
 GENERAL INFORMATION:
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Li, Li
 APPLICANT: Zerhusen, Bryan D
 APPLICANT: Casman, Stacie J
 APPLICANT: Shenvoy, Suresh G
 APPLICANT: Spytek, Kimberly
 APPLICANT: Gangoli, Esha A
 APPLICANT: Patturajan, Meera
 APPLICANT: Vernet, Corine A.M
 APPLICANT: Taylor, Sarah
 APPLICANT: Tcherney, Velizar T
 APPLICANT: Millet, Charles E
 APPLICANT: Guo, Xiaojia
 APPLICANT: Boldog, Ference L
 APPLICANT: Gross, William M
 APPLICANT: Alsobrook II, John P
 APPLICANT: Gerlach, Valerie L
 APPLICANT: Edinger, Shlomit R
 APPLICANT: Rothenberg, Mark E
 APPLICANT: Ellementar, Karen
 APPLICANT: Macdougall, John
 APPLICANT: Malynkar, Uriel M
 APPLICANT: Millet, Isabelle
 APPLICANT: Peyman, John
 APPLICANT: Smithson, Glenna
 APPLICANT: Gunther, Erik
 APPLICANT: Stone, David
 TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
 FILE REFERENCE: 21402-537
 CURRENT FILING NUMBER: US10/042,865
 CURRENT FILING DATE: 2002-05-17
 PRIOR APPLICATION NUMBER: 60/260,417
 PRIOR FILING DATE: 2001-01-09
 PRIOR APPLICATION NUMBER: 60/260,831
 PRIOR FILING DATE: 2001-01-10
 PRIOR APPLICATION NUMBER: 60/272,338
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/274,876
 PRIOR FILING DATE: 2001-03-09
 PRIOR APPLICATION NUMBER: 60/284,704
 PRIOR FILING DATE: 2001-04-18
 Query Match 32.3%; Score 631; DB 12; Length 342;
 Best Local Similarity 41.4%; Pred. No. 2.1e-46;
 Matches 146; Conservative 48; Mismatches 139; Indels 20; Gaps 10;
 TYPE: PR
 ORGANISM: Mus musculus
 US-10-042-865-154
 Query Match 32.3%; Score 631; DB 12; Length 342;
 Best Local Similarity 41.4%; Pred. No. 2.1e-46;
 Matches 146; Conservative 48; Mismatches 139; Indels 20; Gaps 10;
 SEQ ID NO: 154
 LENGTH: 342
 DB 1 MARPGVLGPGQGLAVT--ILLIIGLQSGIRADGEATSCGAVIQP--RITGGSSAKCQ 55
 QY 58 WPMQVSILHGGHHICGSSLTAPSWLAAHCFTNGTIRPAAWSVLGVHSQDGPGLGA 117
 Db 56 WPMQVSITYDGIVNGVCGGSILVNSKWWVSAHCFFREHSE--AYEVKAHQHDSYNT 112
 QY 118 HTRVAALIVPANYSQVELGADALLRLASPLGPAPWVCLPRASHRVAHGIAWA 177
 Db 113 VWHVVAQJITHSYREBGSQGDIAFIRLSPVTFSYRIPCLPAAANASFPNGHCTV 172
 QY 178 WEDQOEADEPLPLPVWQEVELRLGEATCOCYJSQGPFLNLTQILPGMCAGYBEGRD 237
 Db 173 WSHVAPSVSLOTPRPLQOLEVLLIREPSCHYINAVPREHTIQDMICAGYVKGKD 232
 QY 238 TOGDSCGPPLVREBEGRMFOAGITSGFGCGRNRPGVFTAATVTEAMWRBQMVGSEP 297
 Db 233 AKQGDGGPLSPMEGIVLAEGLVSWGDAGAPNRPGYTTSYASHVHHHV-AEIQP 290
 QY 298 AFTPOQKTSQD--CLHQATFLDS-ARILRPLHSVAGSTGTSVLPWNL 346
 Db 291 RVVPQTOESQPDGHLCNMHPVSSAAAPKLKLPVLFPLPGLTGLLSL--WL 340
 RESULT 14
 US-10-042-865-155
 Sequence 155, Application US/10042865
 Publication No. US20040029216A1
 GENERAL INFORMATION:
 APPLICANT: Padigaru, Muralidhara
 APPLICANT: Li, Li
 APPLICANT: Zerhusen, Bryan D
 APPLICANT: Casman, Stacie J
 APPLICANT: Shenvoy, Suresh G
 APPLICANT: Spytek, Kimberly
 APPLICANT: Gangoli, Esha A
 APPLICANT: Patturajan, Meera
 APPLICANT: Vernet, Corine A.M
 APPLICANT: Taylor, Sarah
 APPLICANT: Tcherney, Velizar T
 APPLICANT: Millet, Charles E
 APPLICANT: Guo, Xiaojia
 APPLICANT: Boldog, Ference L
 APPLICANT: Gross, William M
 APPLICANT: Alsobrook II, John P
 APPLICANT: Gerlach, Valerie L
 APPLICANT: Edinger, Shlomit R
 APPLICANT: Rothenberg, Mark E
 APPLICANT: Ellementar, Karen
 APPLICANT: Macdougall, John
 APPLICANT: Malynkar, Uriel M
 APPLICANT: Millet, Isabelle
 APPLICANT: Peyman, John
 APPLICANT: Smithson, Glenna
 APPLICANT: Gunther, Erik
 APPLICANT: Stone, David
 TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of

; FILE REFERENCE: 21402-537
; CURRENT APPLICATION NUMBER: US/10/042,865
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/272,338
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/274,876
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/284,704
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 153
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-042-865-153

Query Match 32.1%; Score 630.5; DB 12; Length 339;
Best Local Similarity 41.7%; Pred. No. 2; 3e-46;
Matches 145; Conservative 48; Mismatches 139; Index 17; Gaps 9;

Qy 1 MAQKGTVIGPGGAVANSDSLVSLYGLVPSG-PARG-PPYCGRP-EPSARTVGGSNAQPST 57
Db 1 MAPRVLGGLGQLEAVT--ILLIQLQSGIRADGEASCAVITQP-RITGGSAKPGQ 55

Qy 1 MAURVGGLGQLEAVT--ILLIQLQSGIRADGEASCAVITQP-RITGGSAKPGQ 55

Qy 58 WPWQVSUHGGCHICGSLSLAPSWSUAHCFMTNGTLEPAEWSLIGHSQDGPLDA 117
Db 56 WPWQVSITYDGHVCGGSILSVNWKWVSAHCPRHESRE--AYEVKLGAHOLDSYSNDT 112

Qy 118 HTRAVAAIVVPANYSQVELGADALIURLASIASLIGFAWPMVCLPRAHSHRFHGATWG 177
Db 113 VVHTVQAQILITSSYREGSQQDIAFRLLSPVTSYRIPCLPAANASFPNLGHTVTG 172

Qy 178 WGDVOADPLPLPWVQEVELRGEATCQCIYSQOPFENLTQIAPGMLCMGYPGRRD 237
Db 173 WGHVAPSVSLQTPRPLQOLEVPLISRETCSCHNINAVPERFHTIQODMLCAGYVGKGD 232

Qy 238 TCGDGGCGPVREGGFWFOAGITSFCFGCGRNRQGVFTAVATBAWTRBQVMSEGP GP 297
Db 233 ACQGDGGPLSCPMEGIWLACIVSWNGDACCAGPNRPGCVYTISTYASWIHHV-AELOP 290

Qy 298 APTQPOKTSO--CHQTAFLDSAR-IIIRPLSHISVGSTGTGSL 341
Db 291 RVVPQTQESOPDGHLCNNHPVFSSAAKPLURPVIFLPLGLTGILSL 338

RESULT 15
US-10-042-865-151
; Sequence 151, Application US/10042865
; Publication No. US20040029216A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenvoy, Suresh G
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zhong, Mei
; APPLICANT: Gangoli, Esha A
; APPLICANT: Burgess, Catherine E
; APPLICANT: Paturajan, Meera
; APPLICANT: Verner, Corine A.M
; APPLICANT: Taylor, Sarah
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Miller, Charles E
; APPLICANT: Guo, Xiaoria
; APPLICANT: Boldeg, Ference L
; APPLICANT: Gross, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Gerlach, Valerie L
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Rothenberg, Mark E
; APPLICANT: Elleman, Karen
; APPLICANT: Macdougall, John
; APPLICANT: Malvankar, Uriel M
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glenna
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, David
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-537
; CURRENT APPLICATION NUMBER: US/10/042,865
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; SEQ ID NO: 2
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-109-616-2

RESULT 14
US-10-109-616-2
; Sequence 2, Application US/10109616
; Publication No. US2003016748A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Keith D.
; TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CHANNEL DISRUPTIONS
; FILE REFERENCE: R-490
; CURRENT APPLICATION NUMBER: US/10/109,616
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 60/280,509
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: US 60/311,055
; PRIOR FILING DATE: 2001-08-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-109-616-2

Query Match 32.1%; Score 627.5; DB 14; Length 339;
Best Local Similarity 41.4%; Pred. No. 4.1e-46;
Matches 144; Conservative 48; Mismatches 139; Index 17; Gaps 9;

Qy 1 MAQKGTVIGPGGAVANSDSLVSLYGLVPSG-PARG-PPYCGRP-EPSARTVGGSNAQPST 57
Db 1 MAPRVLGGLGQLEAVT--ILLIQLQSGIRADGEASCAVITQP-RITGGSAKPGQ 55

Qy 58 WPWQVSUHGGCHICGSLSLAPSWSUAHCFMTNGTLEPAEWSLIGHSQDGPLDA 117
Db 56 WPWQVSITYDGHVCGGSILSVNWKWVSAHCPRHESRE--AYEVKLGAHOLDSYSNDT 112

Qy 118 HTRAVAAIVVPANYSQVELGADALIURLASIASLIGFAWPMVCLPRAHSHRFHGATWG 177
Db 113 VVHTVQAQILITSSYREGSQQDIAFRLLSPVTSYRIPCLPAANASFPNLGHTVTG 172

Qy 178 WGDVOADPLPLPWVQEVELRGEATCQCIYSQOPFENLTQIAPGMLCMGYPGRRD 237
Db 233 ACQGDGGPLSCPMEGIWLACIVSWNGDACCAGPNRPGCVYTISTYASWIHHV-AELOP 290

Qy 298 APTQPOKTSO--CHQTAFLDSAR-IIIRPLSHISVGSTGTGSL 341
Db 291 RVVPQTQESOPDGHLCNNHPVFSSAAKPLURPVIFLPLGLTGILSL 338

RESULT 15
US-10-042-865-151
; Sequence 151, Application US/10042865
; Publication No. US20040029216A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenvoy, Suresh G
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zhong, Mei
; APPLICANT: Gangoli, Esha A
; APPLICANT: Burgess, Catherine E
; APPLICANT: Paturajan, Meera
; APPLICANT: Verner, Corine A.M
; APPLICANT: Taylor, Sarah
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Miller, Charles E
; APPLICANT: Guo, Xiaoria
; APPLICANT: Boldeg, Ference L
; APPLICANT: Gross, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Gerlach, Valerie L
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Rothenberg, Mark E
; APPLICANT: Elleman, Karen
; APPLICANT: Macdougall, John
; APPLICANT: Malvankar, Uriel M
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glenna
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, David
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-537
; CURRENT APPLICATION NUMBER: US/10/042,865
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; SEQ ID NO: 2
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-109-616-2

; PRIORITY FILING DATE: 2001-02-28
; PRIORITY APPLICATION NUMBER: 60/274,876
; PRIORITY FILING DATE: 2001-03-09
; PRIORITY APPLICATION NUMBER: 60/284,704
; PRIORITY FILING DATE: 2001-04-18
NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 151
; LENGTH: 342
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-042-865-151

Job time : 48 secs

Job time : - 48 secs

Blank Sheet

GenCore version 5.1.6
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OM protein - nucleic search, using frame plus p2n model

Run on:

August 4, 2004, 12:26:22 ; Search time 73 Seconds

2713.938 Million cell updates/sec

Title: US-10-037-417-46

PerfECT score: 1953

Sequence: 1 MAQKGIVLGPQLGAVANSDS.....TKSLVLPWLSPHSLLQLWGF 357

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Ygapop 10.0 , Ygapext 0.5

Fgapop 6.0 , Fgapext 7.0

DelOp 6.0 , DelExt 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Issued_Patents_NA -DEVM=fastap -SUFFIX=tri -MINMATCH=0.1 -LOCPCl=0
-LOCPExt=0 -UNITS=BITS -START=-1 -END=-1 -MATRIX=Blosum62 -TRANS=human40.cdd
-LIST=45 -DOCALIGN=200 -THR SCORE=PCT -THR MAX=100 -THR MIN=0 -ALIGN=15
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-DET TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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Database :

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2: /cgn2_6/podata/2/ina/5B COMB.seq;*
3: /cgn2_6/podata/2/ina/6A COMB.seq;*
4: /cgn2_6/podata/2/ina/6B COMB.seq;*
5: /cgn2_6/podata/2/ina/PETUS COMB.seq;*
6: /cgn2_6/podata/2/ina/backfiles.seq;*
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
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2	564.5	28.9	1142	4 US-09-386-642-8
3	563.5	28.9	1110	4 US-09-386-653A-1
4	562.5	28.8	1212	4 US-09-620-313
5	561.5	28.8	980	4 US-09-023-942A-30
6	557	28.5	1130	4 US-09-387-75-8
7	550	28.5	1169	4 US-09-386-42-7
8	549	28.1	3147	2 US-09-027-337-1
9	549	28.1	3147	4 US-09-644-00-1
c	10	549	28.1	3147 4 US-09-644-00A-1
c	11	549	28.1	3147 4 US-09-654-600A-1
c	12	28.1	3147	4 US-09-654-600A-18

ALIGNMENTS

RESULT 1

US-09-387-375-1

; Sequence 1, Application US/09387375

; Patent No. 648597

; GENERAL INFORMATION:

; APPLICANT: Darrow, Andrew

; APPLICANT: Andre-Gordon, Patricia

; APPLICANT: QI, Jenson

; TITLE OF INVENTION: DNA Encoding the Human Serine

; FILE REFERENCE: ORT-1031

; CURRENT APPLICATION NUMBER: US/09/387,375

; CURRENT FILING DATE: 1999-08-31

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 1

; LENGTH: 1613

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-387-375-1

; Alignment Scores:

Pred. No.: 1.7e-40

Score:

Percent Similarity:

Best Local Similarity:

Query Match:

DB:

Length:

Matches:

Conservative:

Mismatches:

Indices:

Gaps:

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563 TTGTCACCAAGGGAGCATGGTGTGCTGCTATGGAGGGGAAAGACGCCCTCCAGG 712
 QY 241 LysAspSerGlyGlyProleuValCys|GlugluGlyGlyArgTrpPheGlnAlaGlyIleT 261
 Db 713 GTGACTCTGGGGCCACCTCTGCCCTGGAGGCTCTGGACCTGACCGGCGATG 772
 QY 261 hrserPhedlyPheGlyCysglyArgAsnA9ProleuValPheThrAlaValAla 281
 Db 773 TGAGCTGGGAGAGATggccctggccacccacacggcgttgatcgatccggatc 832
 QY 281 hrTgRgluaTrpIleArgGluGlnValMetGlySerGluProGlyProAlaPhePro 301
 Db 833 GCTATGCCCTGCATTCGAAAGGAGG-----ACGAACCTGGCTGGGCG 886
 QY 301 hrGlnProGlnlysthrGlnSerAsp-----CysLeuHisGlnThrAlaPhe 316
 Db 887 CCCAAACCCAGGAGTCCAGCCAGCAGAACCTCTGAGGCCACCTGGCTTC 942
 RESULT 3
 US-09-386-653A-1
 ; Sequence 1, Application US/09386653A
 ; Patent No. 648564
 ; GENERAL INFORMATION:
 ; APPLICANT: Andrade-Gordon, Patricia
 ; APPLICANT: Oi, Jian-shen
 ; TITLE OF INVENTION: DNA encoding the novel human serine
 ; FILE REFERENCE: ORI-1032
 ; CURRENT APPLICATION NUMBER: US/09/386,653A
 ; CURRENT FILING DATE: 1999-08-31
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1
 LENGTH: 110
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-386-653A-1
 Alignment Scores:
 pred. No.: 1.97e-37 Length: 1110
 Score: 563.50 Matches: 128
 Best Local Similarity: 51.28% Conservative: 32
 Query Match: 41.03% Mismatches: 121
 DB: 28.85% Indels: 32
 Gaps: 9
 US-10-037-417-46 (1-357) x US-09-386-653A-1 (1-1110)
 QY 32 AlaArgGlyProProtYrCysGlyAspProGluProSerAlaArgIleValGlySer 51
 Db 93 GCCAAGCAGCACAGCCTGAGTCGCCAGATGCTGAACGAAAGTGGCGGAGCAG 152
 QY 52 AsnAlaGlnProGlyThrTrpProGlnValSerIleUhiShisGlyGlyHsIle 71
 Db 153 GACACCGAGGAGGGAGTGCCCTGCAAGTCAGATCCAGCGCACGGAACTTC 212
 QY 72 CysGlyGlySerIleAlaProSerTrpValLeuSerAlaAlaHisCysPheMetThr 91
 Db 213 TCGGGGGCAGGCTCATGGGGAGGAGCTGGGCTCTGAGGCTGGACTGCTC---- 266
 QY 92 AsnGlyIleRheLeuGluProAlaAlaGluIleGluSerValLeuLeuGlyAlaHisSerGlnAsp 111
 Db 267 CGCAACACCTCTGAGACTCTG---TACAGGTCTCTGGCTGGAGGAGCTAGTG 323
 QY 112 GlyProLeuAspGlyAlaHisIleArgAlaValAlaAlaLeuValAlaAsn--- 130
 Db 324 CAGCCG-----GGACCAACAGCTAGTAGTATGCCGGGTGAGCAGGGAGGAAACCC 377
 QY 131 ---TyrSerGlnValGluIleGlyAlaAspLeuAlaLeuLeuArgIleAlaSerProAla 149
 Db 378 CTGTACAGGGACGGCTCCAGGCCTGAGCTGGCCCTGGTGAGCTGGAGGACCGTG 437
 RESULT 4
 US-09-620-312D-431
 ; Sequence 431, Application US/09620312D
 ; Patent No. 656962
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Ren, Feiyan
 ; APPLICANT: Chen, Rui-hong
 ; APPLICANT: Zhao, Qing A.
 ; APPLICANT: Wehman, Tom
 ; APPLICANT: Xue, Aidiang J.
 ; APPLICANT: Wang, Yongqiong
 ; APPLICANT: Wang, Jian-Rui
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Ma, Yuning
 ; APPLICANT: Wang, Dunru
 ; APPLICANT: Wang, Zhiwei
 ; APPLICANT: John Tillingshast
 ; APPLICANT: Dumanac, Radjoje T.
 ; TITLE OF INVENTION: No. 656962el Nucleic Acids and
 ; TITLE OF INVENTION: Polypeptides
 ; FILE REFERENCE: 784CIPB
 ; CURRENT APPLICATION NUMBER: US/09/620,312D
 ; CURRENT FILING DATE: 2000-07-19
 ; PRIOR APPLICATION NUMBER: 09/552,317
 ; PRIOR FILING DATE: 2000-04-25
 ; PRIOR APPLICATION NUMBER: 09/488,725
 ; PRIOR FILING DATE: 2000-01-21
 ; NUMBER OF SEQ ID NOS: 1105
 ; SOFTWARE: pt FL genes Version 1.0

CURRENT FILING DATE: 1999-08-31
 NUMBER OF SEQ ID NOS: 9
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO: 8
 LENGTH: 1130
 TYPE: DNA
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
 OTHER INFORMATION: sequence of BOS zymogen fusion gene
 US-09-387-375-8
 Alignment Scores:
 Pred. No.: 6.91e-37
 Score: 557.00
 Percent Similarity: 56.63%
 Best Local Similarity: 45.78%
 Query Match: 28.52%
 DB: 4
 Gaps: 3
 US-10-037-417-46 (1-357) x US-09-387-375-8 (1-1130)
 QY 46 ArgIleValGlyGlySerAsnAlaGlnProGlyThrTrpProTrpGlnValSerLeuHis 65
 Db 163 AGATCCTTCGGCGCTATGCATCTTGAGGGCATGACTGCCTGGC 407
 QY 66 HisGlyGlyGlyHisIleCysGlyGlyIleSerLeuAlaProSerTrpValLeuGlu 195
 Db 223 CATCCCTGGGACACGCTGCGGGGGTGCCTCATGCCGCCAGGGCTGACAGCG 282
 QY 86 AlaHisCysPheMetThrAsnGlyThrLeuGluProAlaAlaGluTrpSerValLeu 105
 Db 283 CGCACTGCTTCCCAGGAGGCACTG 333
 QY 106 GlyValHisSerGlnAspGlyProLeuAspGlyIleAlaProSerTrpValLeuAla 125
 Db 334 GGGCCCTGCCTCGGCCCTCACCTGGCCCCAACGGCTGCGGGCTGAGGGC 587
 QY 126 ValAlaProAlaAsnTrpSerGlnValGluLeuGlyAlaAspLeuAlaIleLeuArgLeu 145
 Db 394 CTGCTACCCCGGACTRACTCGAGGAGGGGGCCGCGGAACTGCGACTCG 453
 QY 146 AlAspProAlaSerLeuGlyProAlaValTrpProValCysLeuProAlaSerHis 165
 Db 454 CGTCCGGGCGCCCTGAGGCTCGTCACCGCTCTGCGCTGCGCCGACCGGT 393
 QY 166 ArgPheValHisGlyThrAlaCysTrpAlaThrGlyTrpGlyAspValGlyIleAlaAsp 185
 Db 514 GCGCCGGCGCCGGGACACCACTGGGGACCGGTTGGGGAGCCCTGGGAGGT 573
 QY 186 ProLeuProLeuProTrpValLeuGluLeuAlaGluLeuAspLeuLeuGlyIleAlaThr 205
 Db 574 CCCCTCCGAGTGGCGACCCCTACAGGAGTAAGGGTGCCTGCTGAGTCGGCGCACC 633
 QY 206 CysGlyCysLeuTrp-----SerGlnProGlyProPheAsnLeuThrLeuGln 221
 Db 634 TGGGAGGCTTACACGCGGGGACCGCCAGGTGAGCCATT----- 684
 QY 222 IleLeuProGlyMetLeuCysAlaGlyTyroProGlyIleGlyArgAspThrCysGly 241
 Db 685 GCGCCTGGAGTCGTCGCTGCGGCTACCCGAGGCAAGGGCTGCGCAAGGT 744
 QY 242 AspSerGlyGlyProLeuValCysGluGluGlyArgTrpPheGlnAlaGlyIleThr 261
 Db 745 GATTCTGGGGACACTCTGACCTGCGAGCTGAGCTGCTGCGAGGCGCTG 804
 QY 262 SerPheGlyPheGlyCysGlyArgAspLysProGlyValPheThrAlaValAthr 281
 Db 805 AGCTGGGCAAGGATGTTGCTGCCAACGTCAGGGTACACCAGGTGGCCACA 864
 QY 282 TyrGluAlaValTrpIleLeuGluLeuIleVal 290
 Db 865 ATAGGCCCTGGATTCAGGTGCGTC 891

Percent Similarity: 51.80%保守性: 40
 Best Local Similarity: 38.69%匹配数: 103
 Query Match: 28.11%插入: 44
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QY 110 Glu--AspGlyProleuAspGlyAlaHisthArgAlaValAlaAlaLeuValPro 128
 Db 2063 CAGAGGCCGGAGCCGCCCTGGAGTCAGGGCAGGTACAGCCATCATCTCCAC 2122
 QY 129 AlaAsnTyrrSerGlnValGluLeuGlyAlaAspLeuAlaLeuLeuArgLeuAlaSer-Pro 148
 Db 2123 CCTTCTCTCAAACTTCAACTTCACTTGACTATGAGCATGGCTCTGGAGAACCG 2182
 QY 149 AlaserIeuglyProAlaValIrrProvalCysLeuProArgAlaSerHisArgPheVal 168
 Db 2183 GCGAGTACAGCTCCATGTCGCCCATGCGGCCATGCGACCCATGCTTCCT 2242
 QY 169 HisGlyThralAlaSystDalaThrGlyIrrGlyAspValGlnGlnAlaAspLeuPro 188
 Db 2243 GCGGGCAGGCCATCTGCTGGCTCAGGCTGGGGAGCACACCAAGTTGGGACTGGGG 2302
 QY 189 IeuProTrpValLeuGluGlyIrrGlyAspLeuLeuArgLeuLeuGlyGluAlaThrCysLys 208
 Db 2303 CTC-----ATCTGCAAAGGGTAGATCCGGCAGTCAACAGAACCTGGAGAAC 2356
 QY 209 LeuTyrrSerGlnProGlyProHeAsnLeuThrIeuGlnIleuProGlyMetLeuCys 228
 Db 2357 CTCCTGCAGCAG-----CAGATCACGCCGCATGATGTC 2392
 QY 229 AlaGlyTyrProGlyArgArgAspThrCysGlnGlyAspValGlnGlnAlaAspLeuPro 247
 Db 2393 GCGGCTCTCAGGGGGCTCTGGCTCAGGCTGGGGAGGACCTGGTCC 2452
 QY 248 ValCysGluGluGlyIrrGlyArgTrpPheGlnAlaGlyIleuThrSerPheGlyPhyGlyCys 267
 Db 2453 AGCGTGAGGGATGGGGGATCTCAGGCGTGTGAGCTGAGCAGCTGAGTC 2512
 QY 268 GlyArgGargAsnArgProGlyValPheThrAlaValAlaThrGlyIrrGlyValPheLeu 287
 Db 2513 GTCAGGAGGAACTAGGGCCAGGCGCTACAAAGCTCCCTGTTGGACTGGATGCAAA 2572
 QY 288 GluGlnValMetGlySerIrrGluProGlyProAlaPheProThrGlnProGlnLysThrGln 307
 Db 2573 GACACACTGGGATATAGGGCCGGGGCCA----- 2602
 QY 308 SerAspCysLeuHis 312
 Db 2603 CCCAAATGTTGACAC 2617

RESULT 12
 US-09-654-600A-18/c

; Sequence 18, Application US/09654600A.
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; TITLE OF INVENTION: TAGD-15: An Extracellular Serine Protease
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09-654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 18
; LENGTH: 3147
; TYPE: RNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Antisense of TAGD-15

; Alignment Scores:
; pred. No.: 1.26e-35 Length: 3147
; Score: 545.00 Matches: 118

US-09-654-600A-18 (1-3147)
 US-10-037-417-46 (1-357) x US-09-654-600A-18 (1-3147)

Percent Similarity: 51.80%保守性: 40
 Best Local Similarity: 38.69%匹配数: 103
 Query Match: 28.11%插入: 44
 DB: 4缺口: 8

QY 32 AlaArglyProProTyrrCysIrrArgProIuPro----- 43
 Db 1385 AGCAAGGCAACCTGAGTCATGAGCTGGAGGGACTCTAGGAGCCTCAATGAGAG 1326
 QY 44 -----SerAlaArgIleValGlyGlySerIasn 52
 Db 1325 GACTGGCACTGAGCTGGGATCTGAGGAGCTGGCTGTGGGGACGAT 1266
 QY 53 AlaGlnProGlyIrrIrrProTrpGlyIrrValSerLeuHis---GlyGlyIrrHiste 71
 Db 1265 GCGATGAGGGCAGTCGCGCTCTGGAGCTAACCTGAGTCATGCTGTGGGGACGACACATC 1206
 QY 92 AsnGly-----ThrIeuGluProAlaAlaGluIuProSerValIeuLeuGlyValHise 109
; :;
 Db 72 CysGlyGlySerIeuAlaIeuAlaSerIrrValLeuSerAlaAlaHisCysPheMetThr 91
; :;
 Db 1205 TGGAGGCTCTCCATCATCTCCTCAACTGCGCTGCTGCTGCGGACACTGTCATCGATCG 1146
 QY 92 AsnGly-----ThrIeuGluProAlaAlaGluIuProSerValIeuLeuGlyValHise 109
; :;
 Db 1145 GACAGAGGAACTAGGACTACAGGAGCTGGGGGCTTCAGGCTTCAGCTGCAC 1086
 QY 110 Glu--AspGlyProGlyValPheThrAlaValAlaThrGlyIrrGlyValPheLeu 128
; :;
 Db 1085 CAGACCCAGGGAGGCCCTCTGGTGCAGGAGGAGGAGGAGCTAACGCCATCATCCCAC 1026
 QY 129 AlaAsnTyrrSerGlnValGluLeuGlyAlaAspLeuAlaLeuLeuArgLeuAlaSerPro 148
; :;
 Db 1025 CCCTCTCTCAAGCTACTTCACTTGACTTGACTGATGAGCTGGCTGTTGGAGAACCG 956
 QY 149 AlaserIeuglyProAlaValIrrProvalCysIeuProArgAlaSerHisArgPheVal 168
; :;
 Db 129 AlaAsnTyrrSerGlnValGluLeuGlyAlaAspLeuAlaLeuLeuArgLeuAlaSerPro 148
; :;
 Db 110 Glu--AspGlyProGlyValPheThrAlaValAlaThrGlyIrrGlyValPheLeu 128
; :;
 Db 1085 CAGACCCAGGGAGGCCCTCTGGTGCAGGAGGAGGAGGAGCTAACGCCATCATCCCAC 1026
 QY 169 HisGlyThralAlaSystDalaThrGlyIrrGlyAspValGlnGlnAlaAspLeuPro 188
; :;
 Db 965 GCGAGTACAGCTCCATGGGAGCTGGGGAGGAGGAGGAGCTCCATGTCCT 906
; :;
 Db 169 HisGlyThralAlaSystDalaThrGlyIrrGlyAspValGlnGlnAlaAspLeuPro 188
; :;
 Db 905 GCGGGCAAGGCACTCTGGTCAACGGGAGGAGGAGGAGCTGGGGAGGAGCTGGCG 845
; :;
 QY 189 LeuProTrpValLeuGluGluValGluLeuLeuGlyGluAlaIrrGlyCys 208
; :;
 Db 845 CTG-----ATCTGCAAAAGGGTAGATCCGGCTCATCACAGAACCTGGAGAGC 792
; :;
 Db 791 CTCTGCGCCAT-----CAGATAGGGGGAGGAGCTGAGTC 756
; :;
 QY 229 AlaGlyTyrProGlyArgArgAspThrCysGlnGlyAspSerGlyGlyProLeu-- 247
; :;
 Db 755 GCGGCTCTCAGGGGGCTGGGAGCTCTCCAGGGGGAGCTGTC 696
; :;
 QY 248 ValCysGluGluGlyIrrGlyArgTrpPheGlnAlaGlyIleuThrSerPheGlyPhyGlyCys 267
; :;
 Db 695 AGCTTGAAAGGGATGGGGGATCTCCGGCGCTGTTGGGGAGGGCTGC 636
; :;
 QY 268 GlyArgGargAsnArgProGlyAlaPheThrAlaValAlaThrGlyIrrGlyAlaThrPheLeu 287
; :;
 Db 635 GTCAGAGAACAGCCAGGCTGTTGACAAAGCTCCCTGTTGGGGACTGATCATA 576
; :;
 QY 288 GluGlnValMetGlySerIrrGluProGlyProAlaPheProThrGlnProGlnLysThrGln 307
; :;
 Db 575 GAGAACATGGGATATAGGGCCGGGGCCA----- 546
; :;
 QY 308 SerAspCysLeuHis 312
; :;
 Db 545 CCCAAATGTTGACAC 531

RESULT 13
 US-09-907-794A-262

Sequence 262, Application US/09/907794A
 Patent No. 65335463
 General Information:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Baton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Hillian, Kenneth J.
 APPLICANT: Kijavrin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paon, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.

Title of Invention: Secreted and Transmembrane Polypeptides and Nucleic Acid Sequences Encoding the Same

File Reference: 10466-14

Current Filing Date: 2001-07-17

Prior Application Number: PCT/US00/04414

Prior Filing Date: 2000-02-22

Prior Application Number: US 60/143,048

Prior Filing Date: 1999-07-07

Prior Application Number: US 60/145,698

Prior Filing Date: 1999-07-26

Prior Application Number: US 60/146,222

Prior Filing Date: 1999-07-28

Prior Application Number: PCT/US99/20594

Prior Filing Date: 1999-09-08

Prior Application Number: PCT/US99/20944

Prior Filing Date: 1999-09-13

Prior Application Number: PCT/US99/21090

Prior Filing Date: 1999-09-15

Prior Application Number: PCT/US99/21547

Prior Filing Date: 1999-09-15

Prior Application Number: PCT/US99/23089

Prior Filing Date: 1999-10-05

Prior Application Number: PCT/US99/28214

Prior Filing Date: 1999-11-29

Prior Application Number: PCT/US99/28313

Prior Filing Date: 1999-11-30

Prior Application Number: PCT/US99/28564

Prior Filing Date: 1999-12-02

Prior Application Number: PCT/US99/28565

Prior Filing Date: 1999-12-02

Prior Application Number: PCT/US99/30095

Prior Filing Date: 1999-12-16

Prior Application Number: PCT/US99/30911

Prior Filing Date: 1999-12-20

Prior Application Number: PCT/US99/30999

Prior Application Number: PCT/US00/00219

Prior Filing Date: 2000-01-05

Number of SEQ ID NOS: 423

SEQ ID NO: 243

Length: 1378

Matches: 134

Percent Similarity: 48.00%

Best Local Similarity: 35.73%

Query Match: 27.91%

Gaps: 9

Alignment Scores:

US-10-037-417-46 (1-357) x US-09-907-794A-262 (1-1378)

Pred. No.:	Score:	Length:
QY 7	545.00	1378
Db 80	48.00%	Matches:
Db 80	48.00%	Conservative:
Db 80	35.73%	Mismatches:
Db 80	35.73%	Indels:
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QY 47	66	26
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QY 67	199	259
Db 260	199	259
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Db 374	319	319
Db 320	373	373
QY 107	126	126
Db 374	106	106
QY 127	165	165
Db 434	145	145
QY 434	493	493
Db 146	493	493
QY 494	553	553
Db 166	185	185
Db 554	185	185
QY 186	673	673
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QY 206	222	222
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QY 243	835	835
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QY 290	307	307

Organism: Homo Sapien

Type: DNA

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 QY ArgPheValHisGlyThrAlaCysTrpAlaThrGlyAspValPheGluAlaAsp 185
 166 CACCTCCCCTCAAAACACCACGCTGCTGAGCTCTGGAGGAGCTCAAGTGAGTT 613
 Db 554 186 ProIleProLeuProTrpValLeuIglnIglnValGluLeuArgLeuIglnGluAlaThr 205
 QY 614 CCCCTGGCCACCTCACACCGTCAACCTGAGCTGAGTCAGTCAGTCAGTCAGTC 673
 Db 206 CysGlnCysLeuTyr-----SerGlnProGlyProPheAsnLeuThrLeuGlnIle 222
 QY 674 TGGAGGCTCTGAGCTGAGCTGGGGAGCAGGAGCAGGACCC-----ATC 715
 Db 223 LeuProGlyMetIleIeucysAlaGlyTyrProGluGlyArgAspThrCysGlnGlyAsp 242
 QY 716 ACTGAGGACATGCTGIGGCCGCTACTTGAGGGGGAGCAGGATCTGCTGGCGAC 775
 Db 243 SerGlyIgylProLeuValCysGluGluGlyArgTrpPheGlnAlaGlyIleSer 262
 QY 776 TCGGGGAGCCCTCTATCTGCGAGGCTGCGCTGCTGCTGCTGCTGCTGCTGCGAC 835
 Db 263 PheGlyPheGlyCysGlyArgGluArgProGlyValPheThrAlaValAlaTyr 282
 QY 836 TGGGGAGGGCTGCGCAGGGCAAGGGCCGGGCTCTACATCGGCTCTGGCAC 895
 Db 283 GluIaTriPheIargGluIle----- 289
 QY 896 CCCTCAGGGTGA-GAGATCTGCGAGGGTCACTCCGGGGCGCTCAGGGGG 954
 Db 290 -----ValMetGlySerGluProGlyProIaPheProTrpIleGlnProGlyIleGln 307
 QY 955 TGGGGCCCTCAGGCAACGAGCAGGAGGCTCTGGGGCCGGGGCT 1013
 Db 308 SerAspCysLeuHisGlnThrAlaPheLeuAspSerAlaArgLeuLeuArgProLeu 327
 QY 1014 CGGGAC-----GGGGCTCGGATCTGAAGG-----CGGGAGAT 1049
 Db 328 SerHisIleSerVal-----GlyValSerThrGlyThrIlySSerIeu 341
 QY 1050 CCACATCTGGCTGATCTGGGGCAGCTCAGGGGTTCCCGCCCGTAATAAGGCTC 1109
 Db 342 ValIleProTrpLeuUserProHisSerIeuLeuIglnIglyLeuTrpGly 356
 QY :::: 1110 ATC-----TACCTCTACTCTGGGG 1130

Search completed: August 4, 2004, 13:47:22

Search completed: August 4, 2004, 13:47:22

Billy
Sheel

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on:

August 4, 2004, 13:39:52 ; (Search time 485 Seconds)

3609.115 Million cell updates/sec

Title: US-10-037-417-46

Perfect score: 1953

Sequence: 1 MAQKGVLGPGQLGAVANSDS.....TKSLVLPWLSPHSLLGLWGP 357

Scoring table: BLUSUM62

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Ygapop	10.0	Ygapext	0.5
Fgapop	6.0	Fgapext	7.0
DelOp	6.0	Delexxt	7.0

Searched: 322919 seqs, 245157024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=Published_Applications_NA -QFMN=factrap -SUFFIX=rnpb -MINMATCH=0.1

-LOCPL=0 -LOCPLX=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blusum62
-TRANS=human4_0_cdi -LIST=45 -DOCALLIN=200 -THR SCORE=gec -THR MAX=100

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-MAXLEN=200000000 -USER=US10037417 @CGN 1 1 723 @runat 30072004 090755_26620

-NCPU=6 -ICPU=3 -NO_MPA -LARGEQUERY -NEQ_SOURCES=0 -WAIT -DSPBLOCK=100

-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5

-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXXT=7

Database :

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18: /cgn2_6/prodata/1/pubpna/us60_NEW_PUB.seq: *
19: /cgn2_6/prodata/1/pubpna/us60_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No. Score Query Match Length DB ID

SUMMARIES

Description

RESULT 1	US-10-037-417-43	; Sequence 43, Application US/10037417
		; Publication No. US20040052806A1
		; GENERAL INFORMATION:
		; APPLICANT: Kekuda, Ramesh
		; APPLICANT: Alsobrook II, John P
		; APPLICANT: Tcherniev, Velizar T
		; APPLICANT: Liu, Xiaohong
		; APPLICANT: Spytek, Kimberly A
		; APPLICANT: Patturajan, Meera
		; APPLICANT: Gross, William M
		; APPLICANT: Leply, Denise M
		; APPLICANT: Burgess, Catherine E
		; APPLICANT: Vernet, Corine A.M.
		; APPLICANT: Li, Li
		; APPLICANT: Gorman, Linda
		; APPLICANT: Edinger, Shlomit R
		; APPLICANT: Scioce, Paul
		; APPLICANT: Ellement, Karen
		; APPLICANT: Malvankar, Uriel M
		; APPLICANT: Rothenberg, Mark
		; APPLICANT: Stone, David J

APPLICANT: Boldog, Ferenc L 379 GATGAGCCATCTGAGTGCGCCACTAACAGTGAGCTGGACCTG
 APPLICANT: Guo, Xiaojia FILE REFERENCE: 21402-235
 APPLICANT: Shanoy, Suresh G CURRENT APPLICATION NUMBER: US10/037,417
 APPLICANT: Anderson, David W CURRENT FILING DATE: 2002-09-20
 APPLICANT: Padigaru, Muralidhara PRIOR APPLICATION NUMBER: 60/260,018
 APPLICANT: Tanguer Jr, Raymond J PRIOR FILING DATE: 2001-01-05
 APPLICANT: Miller, Charles E PRIOR APPLICATION NUMBER: 60/260,360
 APPLICANT: Eisner, Andrew J PRIOR FILING DATE: 2001-01-08
 APPLICANT: Bilezikian, James S PRIOR APPLICATION NUMBER: 60/272,411
 APPLICANT: Shabot, Michael C PRIOR FILING DATE: 2001-02-28
 APPLICANT: Pacholski, Robert J PRIOR APPLICATION NUMBER: 60/272,817
 APPLICANT: Prior, Daniel J PRIOR FILING DATE: 2001-03-02
 APPLICANT: Kurnik, Michael J PRIOR APPLICATION NUMBER: 60/291,186
 APPLICANT: Hwang, Hyun-Jae PRIOR FILING DATE: 2001-05-15
 APPLICANT: Kim, Sung-Hwan PRIOR APPLICATION NUMBER: 60/303,231
 APPLICANT: Lee, Kyung-Hwan PRIOR FILING DATE: 2001-07-05
 APPLICANT: Kim, Sung-Hwan PRIOR APPLICATION NUMBER: 60/305,060
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO: 43
 LENGTH: 1102
 TYPE: DNA
 ORGANISM: Homo sapiens
 ALIGNMENT SCORES:
 PRIOR APPLICATION NUMBER: 60/318,405
 PRIOR FILING DATE: 2001-09-10
 PRIOR APPLICATION NUMBER: 60/318,700
 PRIOR FILING DATE: 2001-09-12
 NUMBER OF SEQ ID NOS: 227
 1-10-037-417-43 (1-357) x US-10-037-417-43 (1-1102)
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 1 MetalAglnlysglyValleuglyProglglnleuglyAlaValalaasnSerasnSer 20
 19 ATGGCCGAGAGGGTCTGGGCTGGAGCTGGAGCTGAGCAATTCTGACTCA 78
 21 TyrSerLeuIyrglyLeuValProSerGlyProAlaArglyProtrycrglyArg 40
 79 TACTCACTTAGGGTTGGCCGTCGGAGCCCGCTAGAGCCCGCCGCTGCGGC 138
 41 ProGluProSerAlaArgIlevalglylySerasnAglnProGlyThrTrpProTrp 60
 139 CCTGAGCCGCGCCGCGCAGCTGGGGCTCAACGCCAGCCGGCACCTGGCTGG 198
 61 GlnValSerLeuIyshisglylyGlylyHsIleCysGlylySerLeuIleAlaProSer 80
 199 CAAGTGAAGCTGACCATGAGGGGCCACATCGGGGGGCTCATGGCCCTCC 258
 259 TGGTCCTCTCCGCTGCTACTGTTCTAGCAGATGGAGCGTGGAGGCCGCGAG 318
 101 TrpSerValleuIyrglyValHisSerGlnAspGlyProLeuAspGlyAlaHistharg 120
 319 TGTGCGGACTGCTGGGGTGCACCTCCAGACGGCCGCGAACCCCG 378
 121 AlAvalAlaAlaAlaValAlaProAlaAlaAlaTyrSerGlnValGluIeuglyAlaAspLeu 140

RESULT 2
 US-10-037-417-45
 Sequence 45, Application US10/037417
 Publication No. US20040052806A1
 GENERAL INFORMATION:
 APPLICANT: Kekuda, Ramesh
 APPLICANT: Alsobrook II, John P
 APPLICANT: Tchernev, Velizar T
 APPLICANT: Liu, Xiaohong
 APPLICANT: Spytek, Kimberly A
 APPLICANT: Patturajan, Meera
 APPLICANT: Gross, William M
 APPLICANT: Lepley, Denise M
 APPLICANT: Burges, Catherine E
 APPLICANT: Vernet, Corine A.M.
 APPLICANT: Li, Li
 APPLICANT: Gorman, Linda
 APPLICANT: Bainer, Shlomit R
 APPLICANT: Sciore, Paul
 APPLICANT: Eliezer, Karen
 APPLICANT: Malyankar, Uriel M
 APPLICANT: Rothenberg, Mark
 APPLICANT: Stone, David J
 APPLICANT: Boldog, Ferenc L
 APPLICANT: Guo, Xiaojia
 APPLICANT: Shanoy, Suresh G

APPLICANT: Anderson, David W
 APPLICANT: Radicaru, Muralidhara J
 APPLICANT: Taupier Jr., Raymond J
 APPLICANT: Miller, Charles E
 APPLICANT: Eisen, Andrew J
 TITLE OF INVENTION: Proteins and Nucleic acids Encoding Same
 FILE REFERENCE: 21402-235
 CURRENT APPLICATION NUMBER: US/10/037,417
 CURRENT FILING DATE: 2002-09-20
 PRIOR APPLICATION NUMBER: 60/260,018
 PRIOR FILING DATE: 2001-01-05
 PRIOR APPLICATION NUMBER: 60/260,360
 PRIOR FILING DATE: 2001-01-08
 PRIOR APPLICATION NUMBER: 60/272,411
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/272,817
 PRIOR FILING DATE: 2001-03-02
 PRIOR APPLICATION NUMBER: 60/291,186
 PRIOR FILING DATE: 2001-05-15
 PRIOR APPLICATION NUMBER: 60/303,231
 PRIOR FILING DATE: 2001-07-05
 PRIOR APPLICATION NUMBER: 60/305,060
 PRIOR FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: 60/318,405
 PRIOR FILING DATE: 2001-09-10
 PRIOR APPLICATION NUMBER: 60/318,700
 NUMBER OF SEQ ID NOS: 227
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 45
 LENGTH: 1102
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-037-417-45
 Alignment Scores:
 pred. No.: 4e-180
 Score: 1953.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 13
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 Db
 19 ATGCCCGAGAAggggGGGCTGGCCCTGCGGAGCCTGCGCAATTCTGACTCA 78
 Qy
 21 TyrSerLeuTrdlyLeuValProserGlyProAlaArglyProProTyrCysGlyarg 40
 79 TACTCACTTACGGGTGGTGGCCGCTCCGACCCGGCTAGGGCCCCCTGACTGGCC 138
 Qy
 41 ProgluProserAlaArgleValGlyGlySerasnAlaAlaGlnProglYThrTProtp 60
 139 CCTGGAACCTCGCCCGCATCGAGGTCGCACATCGGGGGCTCCCTTGCCCTTC 198
 Qy
 61 GlvvalSerLeuLisGlyGlyGlyIleCysGlyGlySerLeuLeuAlaProSer 80
 Db
 199 CAGTGAGCTGTGACCATGAGGTGGCCACATCGGGGGCTCCCTTGCCCTTC 258
 Qy
 81 TrpValLeuSerAlaAlaHisCysPheMetThrAnglyLysIleGluLeuGluAlaAlaGlu 100
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 259 TGGTCCCTCCTGCTGCTGCTGACTGTTCAAGGAGCTGGACCCGGCCGGAG 318
 Qy
 101 TrpSerValLeuLeuGlyValHssergInasGlyProleuSpglAlaHisTrhArg 120
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 319 TGTGCGTGTACTGCTGGGCGGACTTCCAGGACGGCCCTGGAGGGCGGACACCCG 378
 Qy
 121 AlAValAlaAlaLeuValProAlaAlaAlaSerGlnValGluLeuGlyAlaAspIeu 140
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 379 GCGAGTGGGCGGCGCAGCTGCGCCGCGCAACTACGGCAAGTGAGCTGGCGCGACCTG 438

US-10-037-417-46 (1-357) x US-10-037-417-45 (1-1102)
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 Db
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 Qy
 21 TyrSerLeuTrdlyLeuValProserGlyProAlaArglyProProTyrCysGlyarg 40
 79 TACTCACTTACGGGTGGTGGCCGCTCCGACCCGGCTAGGGCCCCCTGACTGGCC 138
 Qy
 41 ProgluProserAlaArgleValGlyGlySerasnAlaAlaGlnProglYThrTProtp 60
 139 CCTGGAACCTCGCCCGCATCGAGGTCGCACATCGGGGGCTCCCTTGCCCTTC 198
 Qy
 61 GlvvalSerLeuLisGlyGlyGlyIleCysGlyGlySerLeuLeuAlaProSer 80
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 Qy
 81 TrpValLeuSerAlaAlaHisCysPheMetThrAnglyLysIleGluLeuGluAlaAlaGlu 100
 Db
 259 TGGTCCCTCCTGCTGCTGCTGACTGTTCAAGGAGCTGGACCCGGCCGGAG 318
 Qy
 101 TrpSerValLeuLeuGlyValHssergInasGlyProleuSpglAlaHisTrhArg 120
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 319 TGTGCGTGTACTGCTGGGCGGACTTCCAGGACGGCCCTGGAGGGCGGACACCCG 378
 Qy
 121 AlAValAlaAlaLeuValProAlaAlaAlaSerGlnValGluLeuGlyAlaAspIeu 140
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 379 GCGAGTGGGCGGCGCAGCTGCGCCGCGCAACTACGGCAAGTGAGCTGGCGCGACCTG 438

RESULT 3
 US/09-888-615-52
 ; Sequence 52: Application US/09888615
 ; Patent No. US20020064856A1
 GENERAL INFORMATION:
 APPLICANT: Flownan, Gregory
 APPLICANT: Whyte, David
 APPLICANT: Caenpeel, Sean
 APPLICANT: Charydzak, Glen
 APPLICANT: Manning, Gerard
 APPLICANT: Sudarsanan, Sucha
 TITLE OF INVENTION: NOVEL PROTEASES
 FILE REFERENCE: 038602/1214
 CURRENT APPLICATION NUMBER: US/09/888,615
 CURRENT FILING DATE: 2001-06-26
 PRIOR APPLICATION NUMBER: 60/214,047
 PRIOR FILING DATE: 2000-06-26
 NUMBER OF SEQ ID NOS: 150
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 52
 LENGTH: 2457
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-888-615-52

Alignment Scores:
 Pred. No.: 2.85e-136 Length: 2457
 Score: 11505.00 Matches: 2772
 Percent Similarity: 100.00% Conservative: 0

RESULT 5
US-09-948-094-1

; Sequence 1, Application US/09948094

; Patent No. US20020090625A1

; GENERAL INFORMATION:

; APPLICANT: The Brigham and Women's Hospital, Inc.

; APPLICANT: Mok, Samuel

; APPLICANT: Wong, Kwong-kwok

; TITLE OF INVENTION: Methods of Detecting Cancer Based on Prostasin

; FILE REFERENCE: 8194/28243

; CURRENT APPLICATION NUMBER: US/09/948, 094

; CURRENT FILING DATE: 2001-09-07

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 1

; LENGTH: 1834

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE: CDS

; LOCATION: (229) .. (1260)

; US-09-948-094-1

Alignment Scores:

Pred. No.:	Score:	Length:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
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Percent Similarity:
Best local Similarity:
Query Match:

US-10-037-417-46 (1-357) x US-09-948-094-1 (1-1834)

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QY 36 ProTyro-CysGlyIArgProGluProSerAlaArgIleValGlyGlySerAsnAlaGlnInPro 55

Db 337 ----TGCCTT--GTGGCCCCCAAGCACCATCAAGGGCACCACTGAGRCGCC 387

QY 56 GlyThrrpProTrpGlnIvaIserLeuIshisIclysGlyGlyHisIleCysGlyIser 75

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QY 76 LeuIleAlaProSerTrpAlaSeAlAlaHicysPheMetThrAsnLyThrIle 95

RESULT 5
US-09-948-094-1

; Sequence 1, Application US/09948094

; Patent No. US20020090625A1

; GENERAL INFORMATION:

; APPLICANT: Horne, Darci T.

; APPLICANT: Vockley, Joseph G.

; APPLICANT: Scheff, Jwe

; APPLICANT: Gene Logic, Inc.

; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer

; FILE REFERENCE: 44921-5028-WO

; CURRENT APPLICATION NUMBER: US/09/880,107

; CURRENT FILING DATE: 2001-06-14

; PRIOR APPLICATION NUMBER: US 60/211,379

; PRIORITY FILING DATE: 2000-06-14

RESULT 6
US-09-880-107-2214

; Sequence 2214, Application US/09880107

; Patent No. US20020142981A1

; GENERAL INFORMATION:

; APPLICANT: Horne, Darci T.

; APPLICANT: Vockley, Joseph G.

; APPLICANT: Scheff, Jwe

; APPLICANT: Gene Logic, Inc.

; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer

; FILE REFERENCE: 44921-5028-WO

; CURRENT APPLICATION NUMBER: US/09/880,107

; CURRENT FILING DATE: 2001-06-14

; PRIOR APPLICATION NUMBER: US 60/211,379

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QY 196 ValGluLeuArgLeuIleGlyLysGluAlaThyCysGlnCysteIleTrsSerGlnProGlyPro 215

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QY 256 PheGlnAlaGlyIleThrSer-PheGlyPheGlyCysGlyIargGlnAsnArgProGlyVal 275

Db 979 TACCTACGGGCACTTGACTGAGCTGAGGAGCTGCTGCTGAGCTGAGGG 1038

QY 276 PheThrAlaAlaLysThrThrGluAlaAlaArgLeuIleArgProLeuSerHistLeSer 295

Db 1039 TACACTCTGCTCCGCTGCTGCTGCTGCTGCTGCTGAGCTGAGGG 1092

QY 296 GlyProAlaPheProThrGlyProGlyLysThrGlnSerAsp-----CysLeuHis 312

Db 1093 CAGCCCTGCTGGTGGCCCAACCCAGGAGTCCGAGCCACCTCTGAGCAG 1152

QY 313 GluThrAlaPheLeuAspSer--AlaArgLeuLeuIleArgProLeuSerHistLeSer 331

Db 1153 CACCTGGCTTCAGCTTGCCCAAGCCAGGGCTCTGAGCCCACCTCTGCTC 1212

QY 332 ValGlyValSerThrGlyThrIlySerLeuValLeuProTriPheSer----- 347

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QY 348 -----ProHisSerLeuLeuIleGlyLeuIleArgProLeuSerHistLeSer 357

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Db 799 CTCGAGGTTCTCTGATCAGTCGTGAGACTGTAACTGCGTGTACACATGCCAAG 858 US-10-037-417-46 (1-357) x US-09-968-007A-379 (1-1834)

Qy 1 MetAlaGlnlysGlyValLeuIgLyProGlyGlnIeuglyAlavalAlaasnSerAspSer 20

Db 859 CCTGAGGAGCCGCAATTGGCCAGGAGCATGGTGTRGCTGCCTGAGGGGG 918 Db 229 ATGCCAACAGGGGCTTGGGCTGAGCAGCTGGGAGCTGGCC----- 276

Qy 236 ArgaspThrCysGlnGlyAspSerGlyGlyProLeuValCysGluGluGlyArgTrp 255 Qy 21 TyrSerLeuTyr--GlyLeuValProSrgllyPro-----AlaArgGlyPro 35

Db 919 AAGGAGCCCTGGCAGGTGACTCTGGGCAACTCTCCGCTGTGGGCTGG 978 Db 277 ATTGGCTTATCTTGATTAATCTCGGTCGGTGGGAGAGGGCAAGACTCC 336

Qy 256 PheGlnAlaGlyIleThrSerPheGlyPhyGlyCysGlyArgGlnAsnArgProlyVal 275 Qy 36 ProTyrcysGlyArgProGluProSerAlaArgIleValGlyGlySerasnAlaGlnPro 55

Db 979 TACCTGACGGGCAATGAGCTGGAGATGCTCTGGAGATGCTGGG 1038 Db 337 ----TGGAT--GTCGCCCAAGAACGAGCACAGCTACAGCTGGCAGTCGC 387

Qy 276 PheThrAlaValAlaThrTyrGluAlaTrpIleArgGluGlnValMetGlySerGluPro 295 Qy 56 GlyThrTrpProTrpGlnValSerLeuUhiShisGlyGlyLysIleCysGlyGlySer 75

Db 1039 TACACTCTGGGCTCCAGCTTACCTGCTGCTGCTGCTGAGCTGCT 1092 Db 388 GTCAGTGGCCTGGAGCTGAGCATCACCTATGAGGCCATGTTGTTGGCTCT 447

Qy 296 GlyProAlaPheProThrGlnProGlnYsthrGlnSerAsp-----CysLeuHis 312 Qy 76 LeuIleAlaproSerTrpValLeuSerAlaAlaLysCysPheMetThrIglyThrIeu 95

Db 1093 CAGCTCTGGCTGGCCAAACCCAGGAGCCAGCCACAAACCTCTGGCAGC 1152 Db 448 CTGGTGTCTGAGCAGCTGGCTGCTGAGCTGCTACGTCCTCTCCAGCAGCACAG 507

Db 313 GluThrAlaPheLeuAspSer--AlaArgIleLeuLeuArgProLeuSerHistLeuSer 331 Qy 9 GluProAlaAlaAlaGluTrpSerValLeuLysGlyValHisSerGlnAspGlyProLeuAsp 115

Qy 348 -----ProHisSerLeuLeuGlyLeuTrpGlyPhe 357 Qy 136 LeuGlyAlaAspLeuLeuLeuLeuArgLeuLeuAspSerHisArgPheValHisGly 615

Db 1264 GGCCCTACTTCCAGGATGGATGATCACAGGACAGGCCCTGGCTCTC 1317 Db 619 TCCCAAGGGCAGCATCTCTCCACTCTGAGCTCACCTTCCCGCTACATC 678

RESULT 9 US-10-037-417-46 (1-357) x US-09-968-007A-379 (1-1834)

; Sequence 379, Application US/09968007A

; Publication No. US20040115625A1

; GENERAL INFORMATION:

; APPLICANT: Ebner, Reinhard

; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Usining Sigma

; FILE REFERENCE: 689290-71

; CURRENT APPLICATION NUMBER: US/09/968, 007A

; PRIOR APPLICATION NUMBER: US/60/237,172

; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,173

; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,278

; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,294

; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,295

; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,316

; NUMBER OF SEQ ID NOS: 1:001

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 379 LENGTH: 1834

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-968-007A-379

Alignment Scores:

pred. No.: 5 -13e-58 length: 1834

Score: 69.700 matches: 160

Percent Similarity: 55.29% Conservative: 49

Best Local Similarity: 42.33% Mismatches: 133

Query Match: 35.69% Indels: 36

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Db 679 CGGCCATCTGCCCTCTGACCACGCCCTTCCCACGGCTCTCACGTC 738

Qy 176 ThrglyTrpGlyAspValGlnGluAlaAspProLeuProLeuProTrpValLeuIgln 195

Db 739 ACTGGTAGGTCATGCTGGCCCTCTGAGCTGCTGAGCCCTCTGAGCCAAAGGACTSGAGAA 798

Qy 196 ValGluIleArgLeuIglnGluAlaAspProLeuProLeuProTrpValLeuIgln 195

Db 799 CCTGAGGAGCCACTTGTGCAAGGAGACATGGTGTGCTGAGGGGG 858

Qy 216 PheAsnLeuThrLeuGlnIleLeuProGlyMetLeuCysAlaGlyTyrProGlyArg 235

Db 859 CCTGAGGAGCCACTTGTGCAAGGAGACATGGTGTGCTGAGGGGG 918

Qy 236 ArgaspThrCysGlnGlyAspSerGlyGlyProLeuValCysGluGluGlyArgTrp 255

Db 919 AAGGAGCCCTGGCAGGTGACTCTGGGCAACTCTCCCTGAGGGCTGG 978

Qy 256 PheGlnAlaGlyIleThrSerPheGlyPhyGlyCysGlyArgAsnArgProlyVal 275

Db 979 TACCTGACGGGCAATGAGCTGGAGATGCTCTGGAGATGCTGGG 1038

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Db 1039 TACACTCTGGGCTCCAGCTTACCTGCTGCTGCTGAGCTGCT 1092

Qy 296 GlyProAlaPheProThrGlnProGlnYsthrGlnSerAsp-----CysLeuHis 312

Db 1093 CAGCTCTGGCTGGCCAAACCCAGGAGGAGCCAGCCGAGCACCTCTGGCAGC 1152

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Db 1153 CACTGACCTCTGGCTGGCCAAACCCAGGAGGAGCCAGCCGAGCACCTCTGGCAGC 1212

Qy 332 ValGlyValserThrGlyIleGlySerLeuLeuLeuProTrpLeuSer----- 347

Db 1213 CTGGCCCTGGCTGGCTGGCCAAACCCAGGAGGAGCCAGCCGAGCACCTCTGGCAGC 1263

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Qy	21	TyrSerLeuTyr---GlyLeuValProSerGlyPro---AlaArgGly---ProProTyr	37
Db	257	ATTCGCTCTATCTTGAACTTCGGCTGGGAAGAGGCCAGAGCTTC	316
Qy	38	CysGlyArgProGluProSerAlaArgIleValGlySerAlaAsnAlaInProGlyThr	57
Db	317	TGGGT---GAGCCCCAACGAGCACTCACAGGAGCTGGAGCTGGCAGTCAG	373
Qy	58	TyrProTrpGlnValSerLeuIshisGlyGlyHisIleCysGlyGlySerLeuIle	77
Db	374	TGGCCCTGGCAGGTCAGCATCACATGAGAGGCTTCAATGTTGCTGCTGCTG	433
Qy	78	AlaProSerTrpValLeuSerAlaAlaIshisCysPheMetThrIleGlyThrIleGluPro	97
Db	434	TCTGAGCAGGCTGCTGCTGAGCTGCTGACTGTTCCAGGGAGCACACAGAA--	490
Qy	98	AlaAlaGluGluTrpSerValIeuLeuGlyValHisSerGinAspGlyProLeuAspGlyala	117
Db	491	----GCCTATGAGGTCAGCTGGGGCCACCCAGCTAGCTTACTCCGAGGACGCC	544
Qy	118	HisthRargAlaValAlaAlaIeuValProAlaAsnTyrSerGlnValGuleudly	137
Db	545	AACGTAGCACCCCTGAAAGACATCATCCCCACCCACGCTACTCTCAGAGGGCTCCAG	604
Db	138	AlaAspLeuAlaLeuLeuArgLeuValLeuProIleAsnTyrSerGlnValGuleudly	157
Qy	605	GCCGACATGCTCATCTCCAACTCAGCAGAACCCATCACCTCTCCGTTACATGCC	664
Db	158	ValCysLysIuProArgLysAspSerHisArgIleValHisGlyThralAcYTrpAlaThrGly	177
Db	665	ATCGCCCTCCCTGGCCACGCTTCTTCCCACGGCTCCACTGACTGTCATGCC	724
Qy	178	TTCGlyAspValGlnGluAlaAspProLeuProLeuProTrpValLeuGluValGlu	197
Db	725	TGGGTCTGCTGAGCCCCCTGAGCTGGCTGCTGAGCCCTGAGCTGAGCTGAGCTGAG	784
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Db	845	GGAGCCGCACTTGTGCTCAGAGGACATGCTGCTGCTGCTGCTGCTGAGGGCCACAGA	904
Qy	237	PThrCysGlnGlyAspSerGlyGlyProLeuValCysGluGlyGlyArgTirpheD	257
Db	905	CGCTCTGCAAGGGGACTCTCTCTGCTGCTGAGGGCTCTGCTGAGGGCTCTGACT	964
Qy	257	nAlaGlyIleTh-SerPheGlyPhglyCysGlyArgGargAsnArgProGlyValPheH	277
Db	965	GACGGCATTGAGCTGGAGAGTGCCTGGAGGCCAACAGCCCTGGTAGAC	1024
Qy	277	rAlaValAlaThrGluAlaThrIleArgGluGlnValMetGlySerGluProGlyPr	297
Db	1025	TCTGGCCCTCAGGATATGCCCTCTGATCCAACGAGTG----ACGAACTCCAGCC	1078
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Qy	314	AlaPheLeuAspSer---AlaArgIleLeuLeuArgProLeuSerHisIleSerValG1	333
Db	1139	GGCTCTGAGCTGCCAACCCAGGGCTGAGGCCATCTTCTGCTGCTG	1198
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Qy	348	-----ProHisSerLeuLeuGlyLeuTrpGlyPhe	357
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Db	; Publication No. US20040029216A1		
Db	; GENERAL INFORMATION:		
Db	APPLICANT: Padigaru, Muralidhara		
Db	APPLICANT: Li, Li		
Db	APPLICANT: Zerhusen, Bryan D		
Db	APPLICANT: Caeman, Stacie J		
Db	APPLICANT: Shenoj, Suresh G		
Db	APPLICANT: Spreek, Kimberly		
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Db	APPLICANT: Gunther, Erik		
Db	APPLICANT: Stone, David		
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Db	TITLE OF INVENTION: Using the Same		
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Db	CURRENT FILING DATE: 2002-05-17		
Db	PRIOR APPLICATION NUMBER: 60/260,417		
Db	PRIOR FILING DATE: 2001-01-09		
Db	PRIOR APPLICATION NUMBER: 60/260,831		
Db	PRIOR FILING DATE: 2001-01-10		
Db	PRIOR APPLICATION NUMBER: 60/272,338		
Db	PRIOR FILING DATE: 2001-02-28		
Db	PRIOR APPLICATION NUMBER: 60/274,876		
Db	PRIOR FILING DATE: 2001-03-09		
Db	PRIOR APPLICATION NUMBER: 60/284,704		
Db	PRIOR FILING DATE: 2001-04-18		
Db	NUMBER OF SEQ ID NOS: 264		
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Db	SEQ ID NO: 29		
Db	LENGTH: 1726		
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Db	ORGANISM: Homo sapiens		
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Db	Alignment Scores:		
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174 TrpAlaThrGlyTyrGlyAspValGlnGluAlaAspProLeuProLeuProTrpValIeu	193	712 ACTGCACTGCCTGGGCTATGCCCTTCAGGACCTCCAGGCTCCAGGCCAACGCACTG	771	194 GlnGluValGluLeuArgLeuGluGlyGluAlaThrCysGlnCysLeuTyrSerGlnPro	213	772 CAGCTACTCGGCTCTGATCTGCTCAGGCTGAGGTGAACTCCGCTAACATGAC	831	214 GlyProPheAsnLeuIleThrIleGluIleLeuProGlyMetLeuCysAlaGlyTyrProGlu	233	832 GCCAAGCTTGAGGAGCCGACTTGTCCAGAGGACGCTGCTGCTGCTATGAG	891
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234 GlyArgArgAspThrCysGlnGlyAspSerGlyIleProLeuAlaCysGluGluIleGly	253	892 GGGGCGAGGAGCCGCTGCGAGGAGCTACTCTGGGGCCACTCTCTGCTGCTGAGGAGT	951	254 ArgTrpGlyGlnAlaGlyIleThrSerPheGlyPheAlaCysGlyArgAsnGlyPro	273	952 CTCTGTACCTGACGGGCACTGTGAGCTGGGGAGATGCGCTGTGGGGCCGCAACAGGCT	1011	274 GlyValPheThrAlaValAlaThrGluAlaTriPheLeuArgGluGlnValMetGlySer	293	1012 GGTRGTTACACTCTGGCCCTCGAAGCTATGCTCCGATCCAAGGAAGACTCTGCGGGA	1071
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294 GluProGlyProAlaPheProThrGlnPro	303	1072 GGCTGGGGCCCCCATCTGACCTTGAGGCC	1101								

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